


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input type="checkbox"/>				
<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> PRICKLY PEAR UF 6-8D-12-15				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> UNDESIGNATED				
<b>4. TYPE OF WELL</b> Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> PRICKLY PEAR				
<b>6. NAME OF OPERATOR</b> BILL BARRETT CORP						<b>7. OPERATOR PHONE</b> 303 312-8164				
<b>8. ADDRESS OF OPERATOR</b> 1099 18th Street Ste 2300, Denver, CO, 80202						<b>9. OPERATOR E-MAIL</b> BHilgers@billbarrettcorp.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UTU73006			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>		
LOCATION AT SURFACE		2042 FNL 1923 FEL		SWNE	8	12.0 S	15.0 E	S		
Top of Uppermost Producing Zone		2004 FNL 2048 FWL		SENE	8	12.0 S	15.0 E	S		
At Total Depth		2004 FNL 2048 FWL		SENE	8	12.0 S	15.0 E	S		
<b>21. COUNTY</b> CARBON			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 2004			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40				
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 659			<b>26. PROPOSED DEPTH</b> MD: 7830 TVD: 7561				
<b>27. ELEVATION - GROUND LEVEL</b> 7219			<b>28. BOND NUMBER</b> WYB000040			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> NINE MILE CANYON				
<b>Hole, Casing, and Cement Information</b>										
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Length</b>	<b>Weight</b>	<b>Grade &amp; Thread</b>	<b>Max Mud Wt.</b>	<b>Cement</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>
<b>Cond</b>	24	14	0 - 40	0.0	Unknown	0.0	No Used	0	0.0	0.0
							No Used	0	0.0	0.0
<b>Surf</b>	12.25	9.625	0 - 1000	0.0	J-55 ST&C	0.0	No Used	0	0.0	0.0
							No Used	0	0.0	0.0
<b>Prod</b>	8.75	4.5	0 - 7830	0.0	P-110 LT&C	0.0	No Used	0	0.0	0.0
							No Used	0	0.0	0.0
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Brady Riley				<b>TITLE</b> Permit Analyst			<b>PHONE</b> 303 312-8115			
<b>SIGNATURE</b>				<b>DATE</b> 05/03/2012			<b>EMAIL</b> briley@billbarrettcorp.com			
<b>API NUMBER ASSIGNED</b> 43007502680000				<b>APPROVAL</b>  Permit Manager						

**DRILLING PROGRAM****BILL BARRETT CORPORATION****Prickly Pear Unit Federal 6-8D-12-15**

SWNE, 2042' FNL, 1923' FEL, Sec. 8, T12S-R15E (surface hole)

SENW, 2004' FNL, 2048' FWL, Sec. 8, T12S-R15E (bottom hole)

Carbon County, Utah

**1 – 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

<b><u>Formation</u></b>	<b><u>Depth – MD</u></b>	<b><u>Depth – TVD</u></b>
Green River	Surface	Surface
Wasatch	2866'	2751'
North Horn	5010'	4741'
Dark Canyon	6795'	6526'
Price River	7175'	6906'
TD	7830'	7561'

**PROSPECTIVE PAY:** \*Members of the Mesaverde formation and Wasatch formation (inclusive of the North Horn) are primary objectives for oil/gas. Any shallow water zones encountered will be adequately protected and reported. All potentially productive hydrocarbon zones will be cemented off.

**3. BOP and Pressure Containment Data**

<b><u>Depth Intervals</u></b>	<b><u>BOP Equipment</u></b>
0 – 1000'	No pressure control required
1000' – TD	11" 3000# Ram Type BOP 11" 3000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 3,000#. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up to operate most efficiently in this manner.	

Bill Barrett Corporation  
 Drilling Program  
 Prickly Pear Unit Federal 6-8D-12-15  
 Carbon County, Utah

#### 4. Casing Program

<u>Hole Size</u>	<u>Setting Depth</u> <u>From</u> <u>To</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
24"	Surface	40'	14"	65#			
12 1/4"	Surface	1000'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4" and 7 7/8"	Surface	TD'	4 1/2"	11.6#	I-100, N-80, P110	LT&C	New

Note: BBC will use one of the options of production casing size noted above. Casing grade for each option could be I-100, P-110 or I-80. In addition, the 7 7/8" hole size will begin at the point the bit is changed.

#### 5. Cementing Program

14" Conductor Casing	Grout cement
9 5/8" Surface Casing	<i>Lead</i> with approximately 170 sx Varicem cement + additives mixed at 12.0 ppg (yield = 2.53 ft <sup>3</sup> /sx).  <i>Tail</i> with approximately and 190 sx Halcem cement with additives mixed at 15.8 ppg (yield = 1.16 ft <sup>3</sup> /sx) circulated to surface with 100% excess.
4 1/2" Production Casing	<i>Lead</i> with approximately 310 sx of Halliburton Light Premium cement with additives mixed at 12.5 ppg (yield = 1.96 ft <sup>3</sup> /sx).  <i>Tail</i> with approximately 1300 sx of 50/50 Poz cement + additives mixed at 13.4 ppg (yield = 1.45 ft <sup>3</sup> /sk), circulated to ~800' with 15% excess.
Note: Actual volumes to be calculated from caliper log.	

#### 6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0 – 40'	8.3 – 8.6	27 – 40	--	Native Spud Mud
40' – 1000'	8.3 – 8.6	27 – 40	15 cc or less	Native/Gel/Lime
1000' – TD	8.6 – 9.5	38 – 46	15 cc or less	LSND/DAP
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

#### 7. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	Run every 1000' and on trips, slope only;
Logging	DIL-GR-SP, FDC-CNL-GR-CAL-Pe-Microlog, Sonic-GR, all TD to surface.

Bill Barrett Corporation  
Drilling Program  
Prickly Pear Unit Federal 6-8D-12-15  
Carbon County, Utah

**8. Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 3735 psi\* and maximum anticipated surface pressure equals approximately 2072 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

\*\*Maximum surface pressure = A – (0.22 x TD)

---

**9. Auxiliary Equipment**

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

**10. Drilling Schedule**

Location Construction: 8/1/12  
Spud: 5/1/13  
Duration: 10 days drilling time  
15 days completion time

**Other -Onshore Variances Requested**

Use of EFM and Flow Conditioner (Onshore Order No. 5)

Use of an electronic flow meter (EFM) for gas measurement purposes is requested with this application.

Use of a flow conditioner is also being requested (versus straightening vanes). Flow conditioners have been proven to be as or more effective than straightening vanes in conditioning gas for measurement. In addition to their superior conditioning properties, they take up less space (shorter meter runs/smaller footprint), and are less prone to corrosion and dislodging (greater reliability). In the past BBC has experienced straightening vanes becoming dislodged in normal service and compromising their conditioning effectiveness.

Make/Model: CPA 50E

Dimensions: 2" or 3" Flanged conditioners - 16" minimum up to 3 1/2' long x 2" (ID 2.067) OR 24" minimum up to 3 1/2' long x 3" (ID 3.068)

Air Drilling (Onshore Order No. 2)

Air drilling operations will be conducted with the purpose of drilling and setting surface casing with a truck mounted air rig, for all Federal wells located at this pad. Surface casing is approximately 1000'. Bill Barrett Corporation will comply with the following surface air drilling operation requirements:

1. Properly lubricated and maintained diverter system in place of a rotating head. The diverter system forces air and cutting returns to the cuttings pit and is used solely to drill the surface hole. In addition, BBC will use a properly lubricated and maintained rotating head in compliance with OOG No. 2.
2. The Blooie line will discharge at least 100 feet from the wellbore and will be securely anchored.
3. An automatic igniter or continuous pilot light will be installed at the end of the blooie line.
4. Compressors that supply energy to drill the air filled surface hole will be located 100' away from the wellbore and on the opposite side of the blooie line. The compressors will be equipped with 1) emergency kill switch, 2) pressure relief valves 3) spark arresters on the motors.

## **PRESSURE CONTROL EQUIPMENT – Schematic Attached**

**A. Type:** Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer. The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) choke line valves (3-inch minimum).
6. Kill line (2-inch minimum).
7. Two (2) chokes.
8. Two (2) kill line valves, one of which shall be a check valve (2-inch minimum).
9. Upper kelly cock valve with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Pressure gauge on choke manifold.
12. Fill-up line above the uppermost preventer.

**B. Pressure Rating:** 3,000 psi

### **C. Testing Procedure:**

#### *Annular Preventer*

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

#### *Blow-Out Preventer*

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

#### **D. Choke Manifold Equipment:**

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

#### **E. Accumulator:**

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2*.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

**F. Miscellaneous Information:**

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The choke manifold will be located outside the rig sub-structure. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.





# Bill Barrett Corporation

## NINE MILE CEMENT VOLUMES

**Well Name:** Prickly Pear Unit Federal 6-8D-12-15

### Surface Hole Data:

Total Depth:	1,000'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

### Calculated Data:

Lead Volume:	203.6	ft <sup>3</sup>
Lead Fill:	650'	
Tail Volume:	109.6	ft <sup>3</sup>
Tail Fill:	350'	

### Cement Data:

Lead Yield:	2.53	ft <sup>3</sup> /sk
Tail Yield:	1.16	ft <sup>3</sup> /sk
% Excess:	100%	

### Calculated # of Sacks:

# SK's Lead:	170
# SK's Tail:	190

### Production Hole Data:

Total Depth:	7,830'
Top of Cement:	800'
OD of Hole:	8.750"
OD of Casing:	4.500"

### Calculated Data:

Lead Volume:	522.1	ft <sup>3</sup>
Lead Fill:	1,700'	
Tail Volume:	1637.0	ft <sup>3</sup>
Tail Fill:	5,330'	

### Cement Data:

Lead Yield:	1.96	ft <sup>3</sup> /sk
Tail Yield:	1.45	ft <sup>3</sup> /sk
% Excess:	15%	

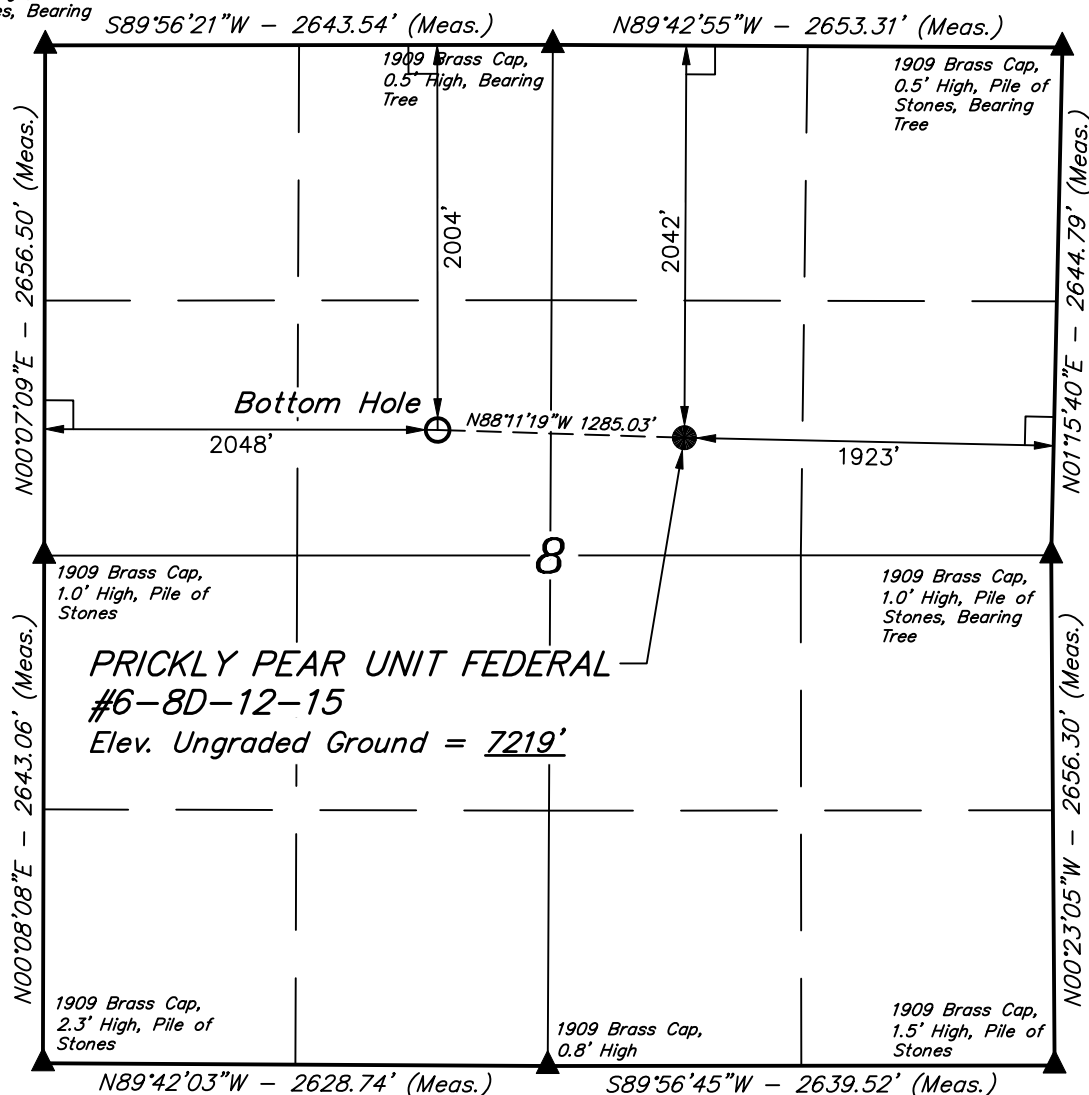
### Calculated # of Sacks:

# SK's Lead:	310
# SK's Tail:	1300

<b>Prickly Pear Unit Federal 6-8D-12-15 Proposed Cementing Program</b>
--

<u>Job Recommendation</u>	<u>Surface Casing</u>
<b>Lead Cement - (650' - 0')</b>	
Varicem <sup>TM</sup> Cement	Fluid Weight: 12 lbm/gal
0.25 lbm/sk Poly-E-Flake	Slurry Yield: 2.53 ft <sup>3</sup> /sk
	Total Mixing Fluid: 14.82 Gal/sk
	Top of Fluid: 0'
	Calculated Fill: 650'
	Volume: 36.25 bbl
	<b>Proposed Sacks: 170 sks</b>
<b>Tail Cement - (1000' - 650')</b>	
Halcem <sup>TM</sup> System	Fluid Weight: 15.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.16 ft <sup>3</sup> /sk
	Total Mixing Fluid: 4.98 Gal/sk
	Top of Fluid: 650'
	Calculated Fill: 350'
	Volume: 19.52 bbl
	<b>Proposed Sacks: 190 sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>
<b>Lead Cement - (800' - 2500')</b>	
Halliburton Light Premium	Fluid Weight: 12.5 lbm/gal
0.3% Versaset	Slurry Yield: 1.96 ft <sup>3</sup> /sk
0.3% Super CBL	Total Mixing Fluid: 10.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid: 800'
0.25% Fe-2	Calculated Fill: 1,700'
0.2% Econolite	Volume: 92.99 bbl
	<b>Proposed Sacks: 310 sks</b>
<b>Tail Cement - (2500' - 7830')</b>	
50/50 Poz Premium	Fluid Weight: 13.4 lbm/gal
3.0 % KCL	Slurry Yield: 1.45 ft <sup>3</sup> /sk
0.75% Halad®-322	Total Mixing Fluid: 6.82 Gal/sk
0.2% FWCA	Top of Fluid: 2,500'
0.3% Super CBL	Calculated Fill: 5,330'
0.125 lbm/sk Poly-E-Flake	Volume: 291.55 bbl
1.0 lbm/sk Granulite TR 1/4	<b>Proposed Sacks: 1300 sks</b>

**T12S, R15E, S.L.B.&M.**1909 Brass Cap,  
1.5' High, Pile of  
Stones, Bearing  
Tree

**PRICKLY PEAR UNIT FEDERAL**  
**#6-8D-12-15**  
 Elev. Ungraded Ground = 7219'

**LEGEND:**

- └─ = 90° SYMBOL  
 ● = PROPOSED WELL HEAD.  
 ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°47'24.15" (39.790042)	LATITUDE = 39°47'23.76" (39.789933)
LONGITUDE = 110°15'45.86" (110.262739)	LONGITUDE = 110°15'29.42" (110.258172)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 39°47'24.28" (39.790078)	LATITUDE = 39°47'23.89" (39.789969)
LONGITUDE = 110°15'43.30" (110.262028)	LONGITUDE = 110°15'26.86" (110.257461)
STATE PLANE NAD 27	STATE PLANE NAD 27
N: 532990.91 E: 2347856.35	N: 532969.40 E: 2349140.66

**BILL BARRETT CORPORATION**

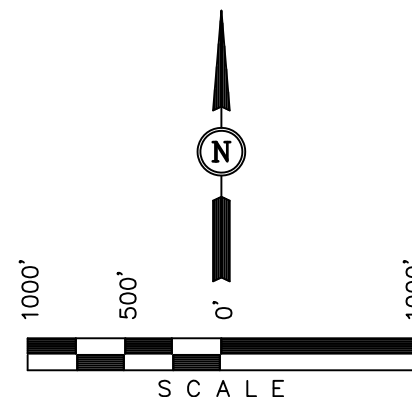
Well location, PRICKLY PEAR UNIT FEDERAL  
 #6-8D-12-15, located as shown in the SW 1/4  
 NE 1/4 of Section 8, T12S, R15E, S.L.B.&M.,  
 Carbon County, Utah.

**BASIS OF ELEVATION**

COTTON TRIANGULATION STATION LOCATED IN THE NW 1/4  
 OF SECTION 31, T12S, R16E, S.L.B.&M. TAKEN FROM THE  
 TWIN HOLLOW QUADRANGLE, UTAH, CARBON COUNTY, 7.5  
 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE  
 UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL  
 SURVEY. SAID ELEVATION IS MARKED AS BEING 7386 FEET.

**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
 FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
 SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
 BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
**85 SOUTH 200 EAST - VERNAL, UTAH 84078**  
**(435) 789-1017**

SCALE 1" = 1000'	DATE SURVEYED: 08-18-11	DATE DRAWN: 08-22-11
PARTY A.F. B.A. C.C.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE BILL BARRETT CORPORATION	

**RECEIVED: May 03, 2012**



# BILL BARRETT CORPORATION

PRICKLY PEAR UNIT FEDERAL NE 8-12-15 PAD

PRICKLY PEAR UNIT FEDERAL #5A-8D-12-15, #4-8D-12-15, #6A-8D-12-15, #3-8D-12-15, #2-8D-12-15, #7A-8D-12-15, #7-8D-12-15, #5-8D-12-15, #6-8D-12-15, #10A-8D-12-15, #9A-8D-12-15, #8-8D-12-15, #1-8D-12-15 & #8A-8D-12-15

LOCATED IN CARBON COUNTY, UTAH

SECTION 8, T12S, R15E, S.L.B.&M.

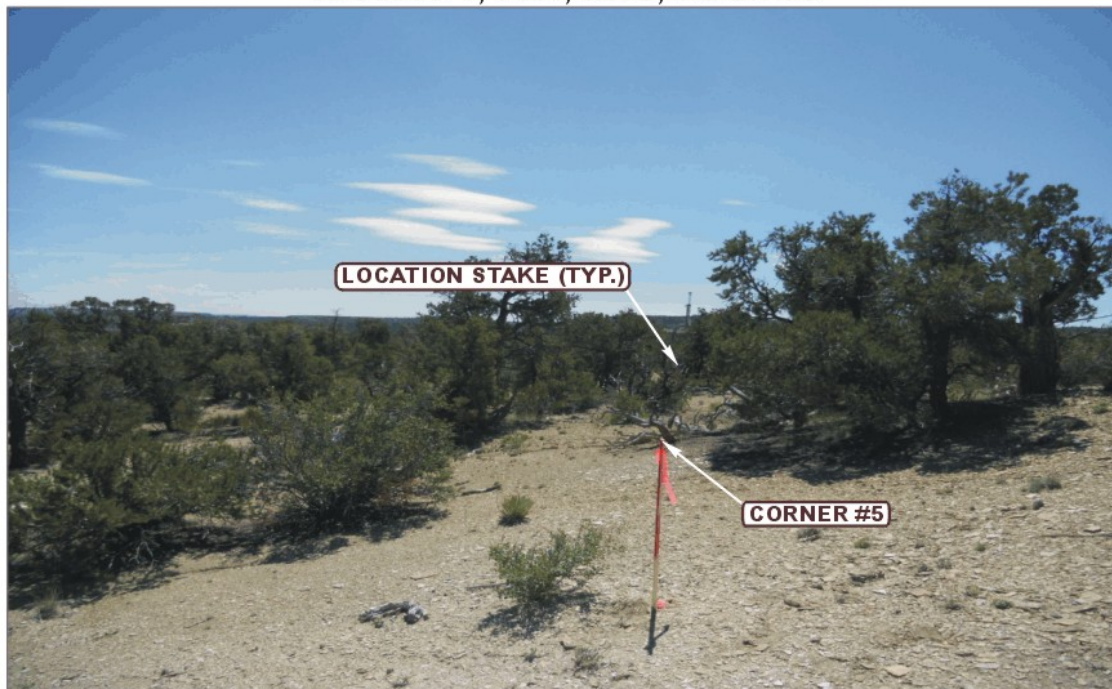


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY



- Since 1964 -

**UELS**

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078

(435) 789-1017 \* FAX (435) 789-1813

LOCATION PHOTOS

08 30 11  
MONTH DAY YEAR

PHOTO

TAKEN BY: A.F.

DRAWN BY: S.F.

REVISED: 00-00-00



BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

PRICKLY PEAR UNIT FEDERAL NE 8-12-15 PAD

PRICKLY PEAR UNIT FEDERAL #5A-8D-12-15, #4-8D-12-15,  
#6A-8D-12-15, #3-8D-12-15, #2-8D-12-15, #7A-8D-12-15,  
#7-8D-12-15, #5-8D-12-15, #6-8D-12-15, #10A-8D-12-15,  
#9A-8D-12-15, #8-8D-12-15, #1-8D-12-15 & #8A-8D-12-15

SECTION 8, T12S, R15E, S.L.B.&M.

SW 1/4 NE 1/4

FIGURE #1

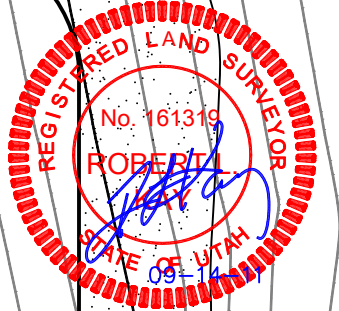
SCALE: 1" = 50'

DATE: 08-23-11

DRAWN BY: C.C.

NOTE:  
Flare Pit is to be  
located a min. of 100'  
from the Well Head.

Proposed  
Access Road for the  
NW 9-12-15 Pad



NOTE:  
Earthwork Calculations Require  
a Fill @ the Location  
Stakes For Balance. All Fill is  
to be Compacted to a Minimum  
of 95% of the Maximum Dry  
Density Obtained by AASHTO  
Method t-99.

Total Pit Capacity  
W/2' of Freeboard  
= 19,540 Bbls.±  
Total Pit Volume  
= 5,210 Cu. Yds

Cut/Fill  
Transition Line

Elev. Ungraded Ground At #5A-8D Loc. Stake = 7219.2'  
FINISHED GRADE ELEV. AT #5A-8D LOC. STAKE = 7219.7'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

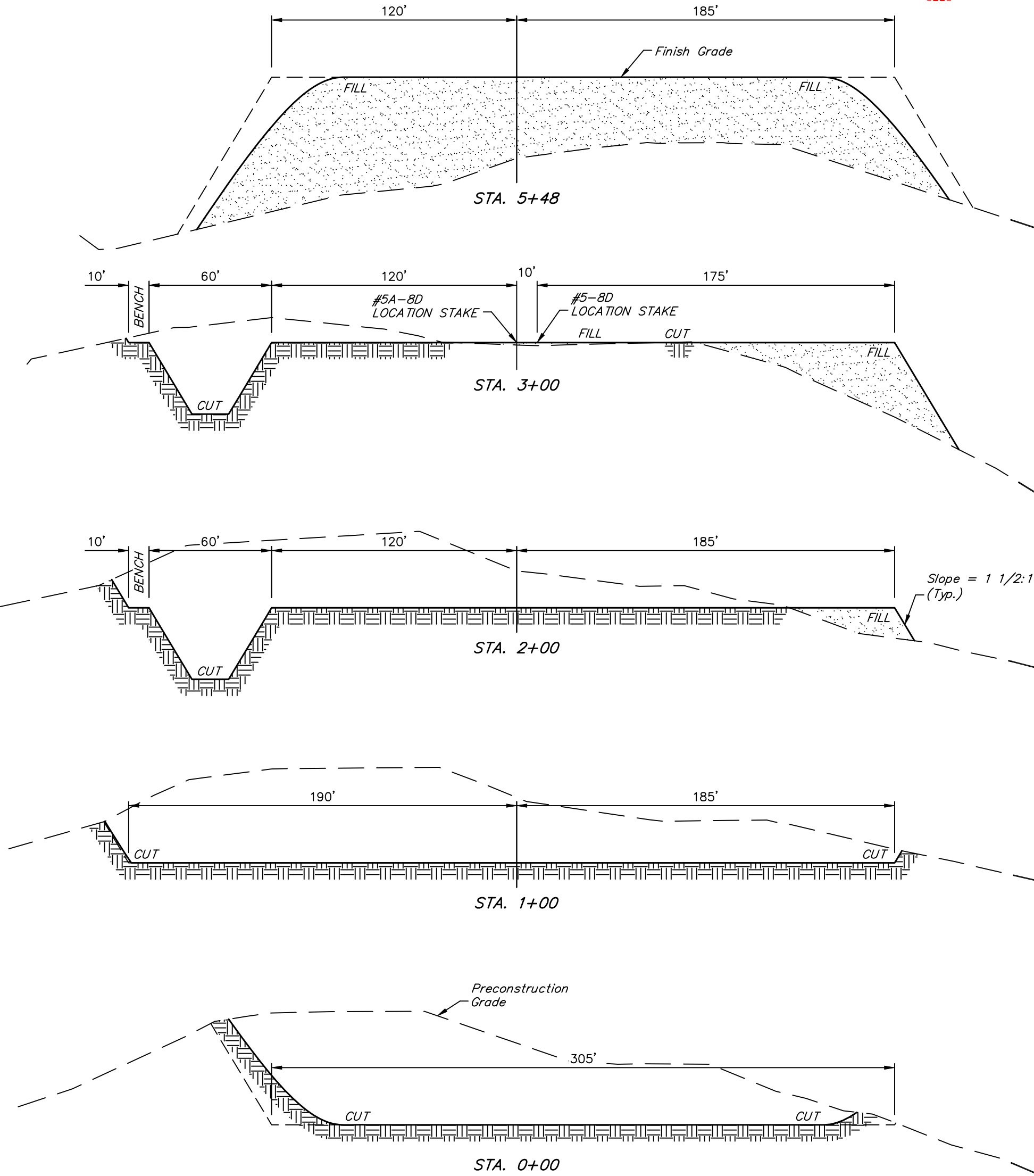
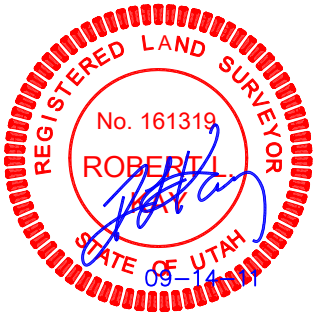
RECEIVED: May 03, 2012

BILL BARRETT CORPORATION  
TYPICAL CROSS SECTIONS FOR

FIGURE #2

X-Section  
Scale  
1" = 50'  
DATE: 08-23-11  
DRAWN BY: C.C.

PRICKLY PEAR UNIT FEDERAL NE 8-12-15 PAD  
PRICKLY PEAR UNIT FEDERAL #5A-8D-12-15, #4-8D-12-15,  
#6A-8D-12-15, #3-8D-12-15, #2-8D-12-15, #7A-8D-12-15,  
#7-8D-12-15, #5-8D-12-15, #6-8D-12-15, #10A-8D-12-15,  
#9A-8D-12-15, #8-8D-12-15, #1-8D-12-15 & #8A-8D-12-15  
SECTION 8, T12S, R15E, S.L.B.&M.  
SW 1/4 NE 1/4



NOTE:  
Topsoil should not be  
Stripped Below Finished  
Grade on Substructure Area.

\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 4,220 Cu. Yds.  
Remaining Location = 42,750 Cu. Yds.  
TOTAL CUT = 46,970 CU.YDS.  
FILL = 40,140 CU.YDS.

EXCESS MATERIAL = 6,830 Cu. Yds.  
Topsoil & Pit Backfill = 6,830 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 0 Cu. Yds.  
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

BILL BARRETT CORPORATION

TYPICAL RIG LAYOUT FOR

PRICKLY PEAR UNIT FEDERAL NE 8-12-15 PAD

PRICKLY PEAR UNIT FEDERAL #5A-8D-12-15, #4-8D-12-15,  
#6A-8D-12-15, #3-8D-12-15, #2-8D-12-15, #7A-8D-12-15,  
#7-8D-12-15, #5-8D-12-15, #6-8D-12-15, #10A-8D-12-15,  
#9A-8D-12-15, #8-8D-12-15, #1-8D-12-15 & #8A-8D-12-15

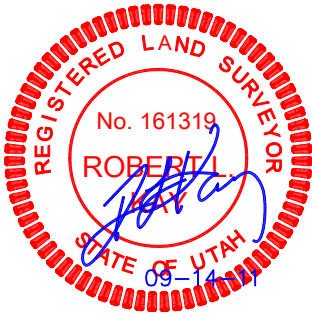
SECTION 8, T12S, R15E, S.L.B.&M.

SW 1/4 NE 1/4

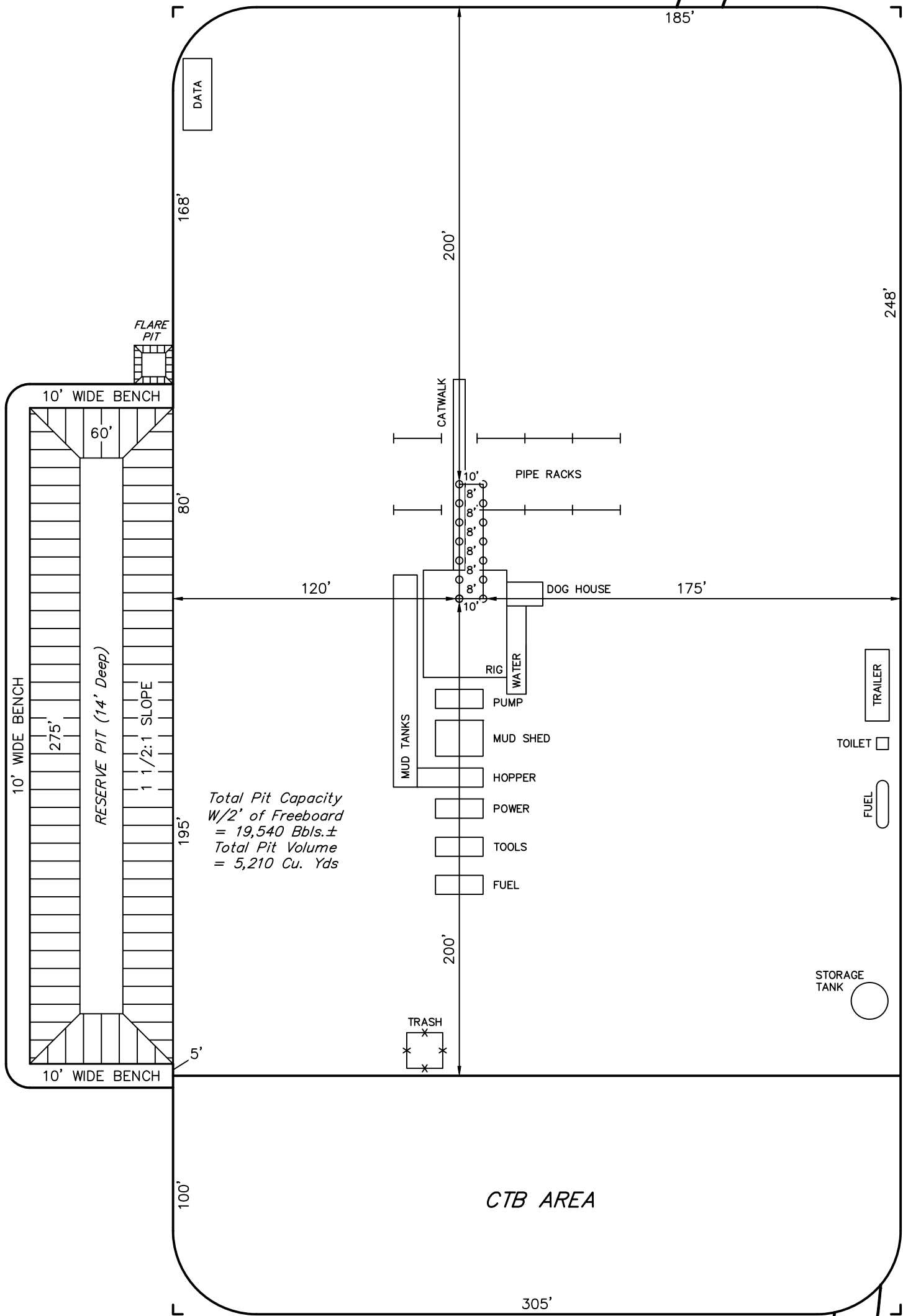
FIGURE #3

SCALE: 1" = 50'  
DATE: 08-23-11  
DRAWN BY: C.C.

Proposed  
Access Road for the  
NW 9-12-15 Pad



NOTE:  
Flare Pit is to be  
located a min. of 100'  
from the Well Head.



BILL BARRETT CORPORATION  
INTERIM RECLAMATION DIAGRAM FOR

PRICKLY PEAR UNIT FEDERAL NE 8-12-15 PAD

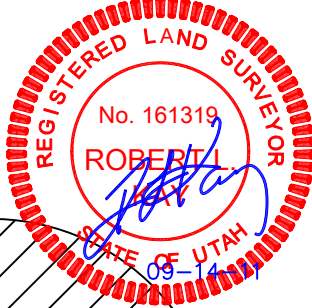
PRICKLY PEAR UNIT FEDERAL #5A-8D-12-15, #4-8D-12-15,  
#6A-8D-12-15, #3-8D-12-15, #2-8D-12-15, #7A-8D-12-15,  
#7-8D-12-15, #5-8D-12-15, #6-8D-12-15, #10A-8D-12-15,  
#9A-8D-12-15, #8-8D-12-15, #1-8D-12-15 & #8A-8D-12-15

SECTION 8, T12S, R15E, S.L.B.&M.  
SW 1/4 NE 1/4

FIGURE #4

SCALE: 1" = 50'  
DATE: 08-23-11  
DRAWN BY: C.C.

Access Road for the  
NW 9-12-15 Pad



- #7-8D G #8A-8D
- #7A-8D G #1-8D
- #2-8D G #8-8D
- #3-8D G #9A-8D
- #6A-8D G #10A-8D
- #4-8D G #6-8D
- #5A-8D G #5-8D

Flow Lines

Combustor

Tanks Area

Separator  
Area

Access Road

Proposed Pipeline

RECLAIMED AREA

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

RECEIVED: May 03, 2012

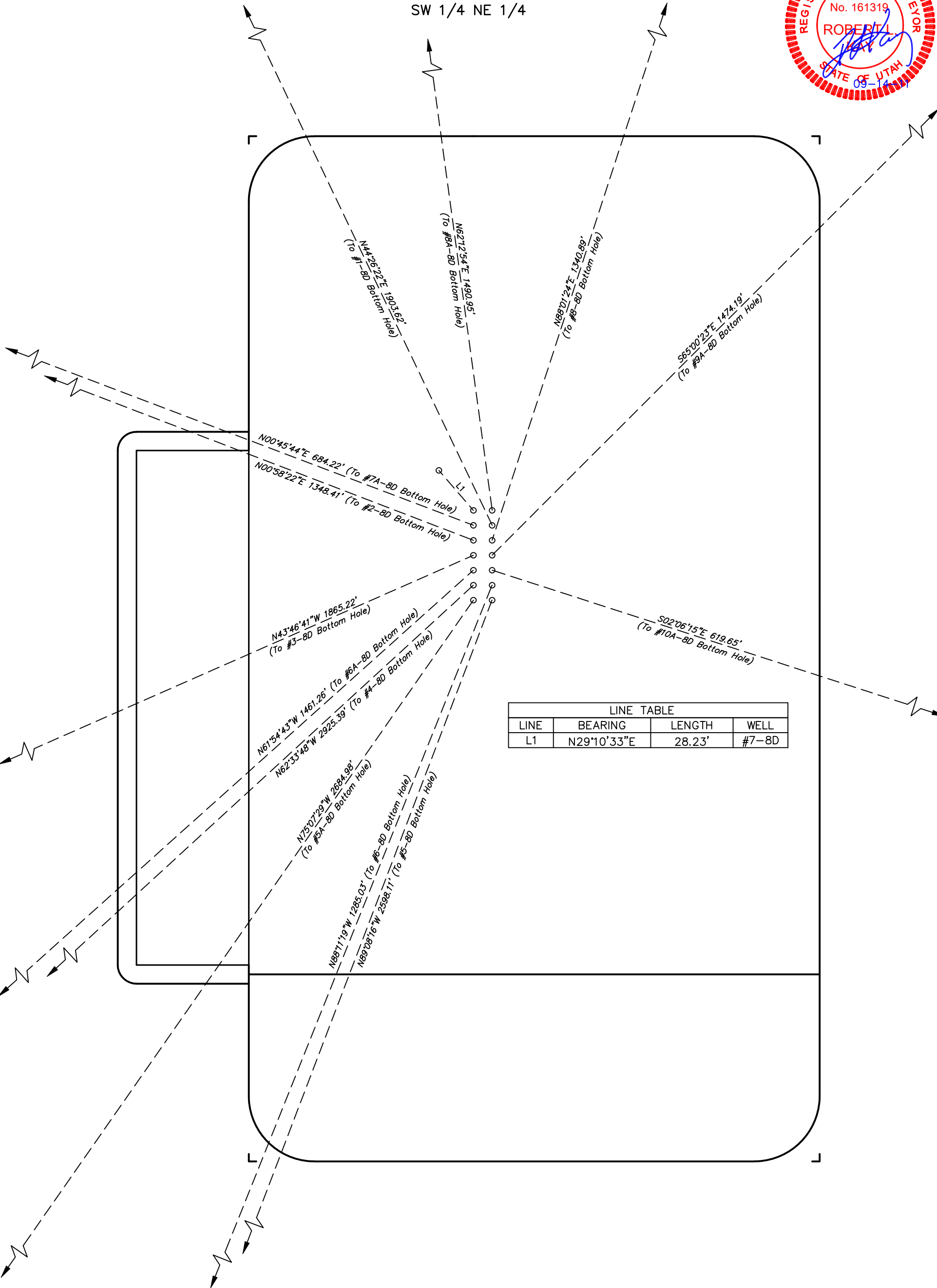
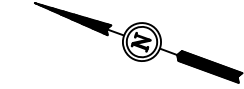
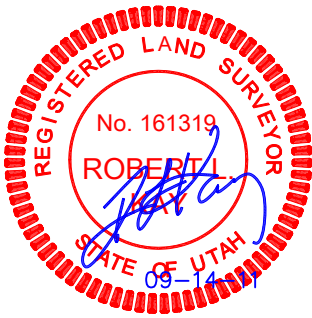


BILL BARRETT CORPORATION  
INTERFERENCE DIAGRAM FOR

PRICKLY PEAR UNIT FEDERAL NE 8-12-15 PAD

PRICKLY PEAR UNIT FEDERAL #5A-8D-12-15, #4-8D-12-15,  
#6A-8D-12-15, #3-8D-12-15, #2-8D-12-15, #7A-8D-12-15,  
#7-8D-12-15, #5-8D-12-15, #6-8D-12-15, #10A-8D-12-15,  
#9A-8D-12-15, #8-8D-12-15, #1-8D-12-15 & #8A-8D-12-15  
SECTION 8, T12S, R15E, S.L.B.&M.  
SW 1/4 NE 1/4

FIGURE #5  
SCALE: 1" = 50'  
DATE: 08-23-11  
DRAWN BY: C.C.

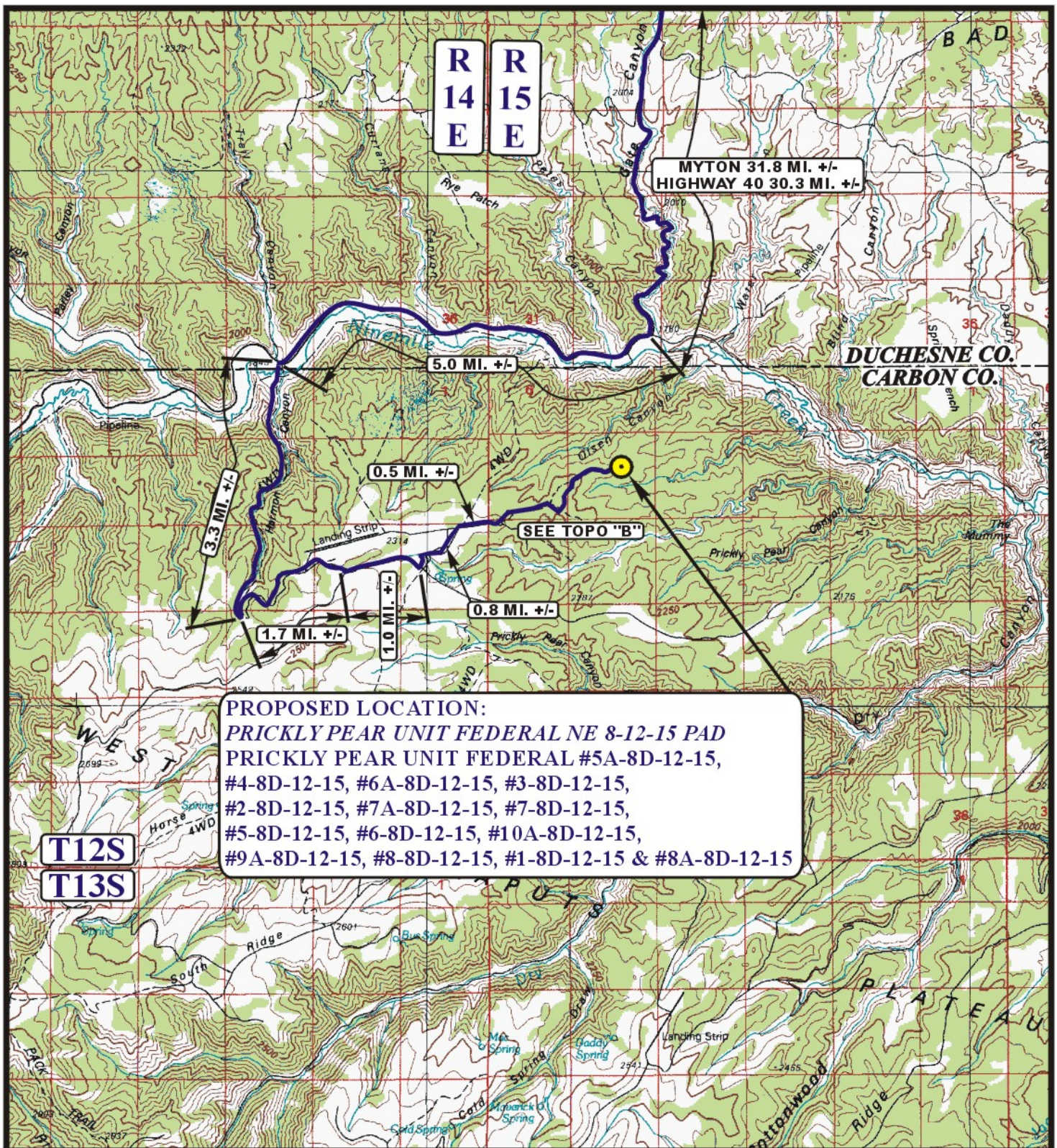


**BILL BARRETT CORPORATION**  
***PRICKLY PEAR UNIT FEDERAL NE 8-12-15 PAD***  
**PRICKLY PEAR UNIT FEDERAL #5A-8D-12-15,**  
**#4-8D-12-15, #6A-8D-12-15, #3-8D-12-15, #2-8D-12-15,**  
**#7A-8D-12-15, #7-8D-12-15, #5-8D-12-15, #6-8D-12-15,**  
**#10A-8D-12-15, #9A-8D-12-15, #8-8D-12-15,**  
**#1-8D-12-15 & #8A-8D-12-15**  
**SECTION 8, T12S, R15E, S.L.B.&M.**

PROCEED IN A SOUTHWESTERLY DIRECTION FROM MYTON, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 28.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN NORTHWESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN EASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE #16-7 PAD LOCATION AND AN EXISTING ROAD TO THE SOUTHEAST; PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE PPUF SW 8 TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1,162' TO THE PROPOSED PPUF SW 8 LOCATION AND THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 3,474' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 45.8 MILES.





**LEGEND:**

**● PROPOSED LOCATION**

**BILL BARRETT CORPORATION**

**PRICKLY PEAR UNIT FEDERAL NE 8-12-15 PAD**  
**PRICKLY PEAR UNIT FEDERAL #5A-8D-12-15, #4-8D-12-15, #6A-8D-12-15, #3-8D-12-15,**  
**#2-8D-12-15, #7A-8D-12-15, #7-8D-12-15, #5-8D-12-15, #6-8D-12-15,**  
**#10A-8D-12-15, #9A-8D-12-15, #8-8D-12-15, #1-8D-12-15 & #8A-8D-12-15**  
**SECTION 8, T12S, R15E, S.L.B.&M. SW 1/4 NE 1/4**



**Utah Engineering & Land Surveying**  
**85 South 200 East Vernal, Utah 84078**  
**(435) 789-1017 \* FAX (435) 789-1813**



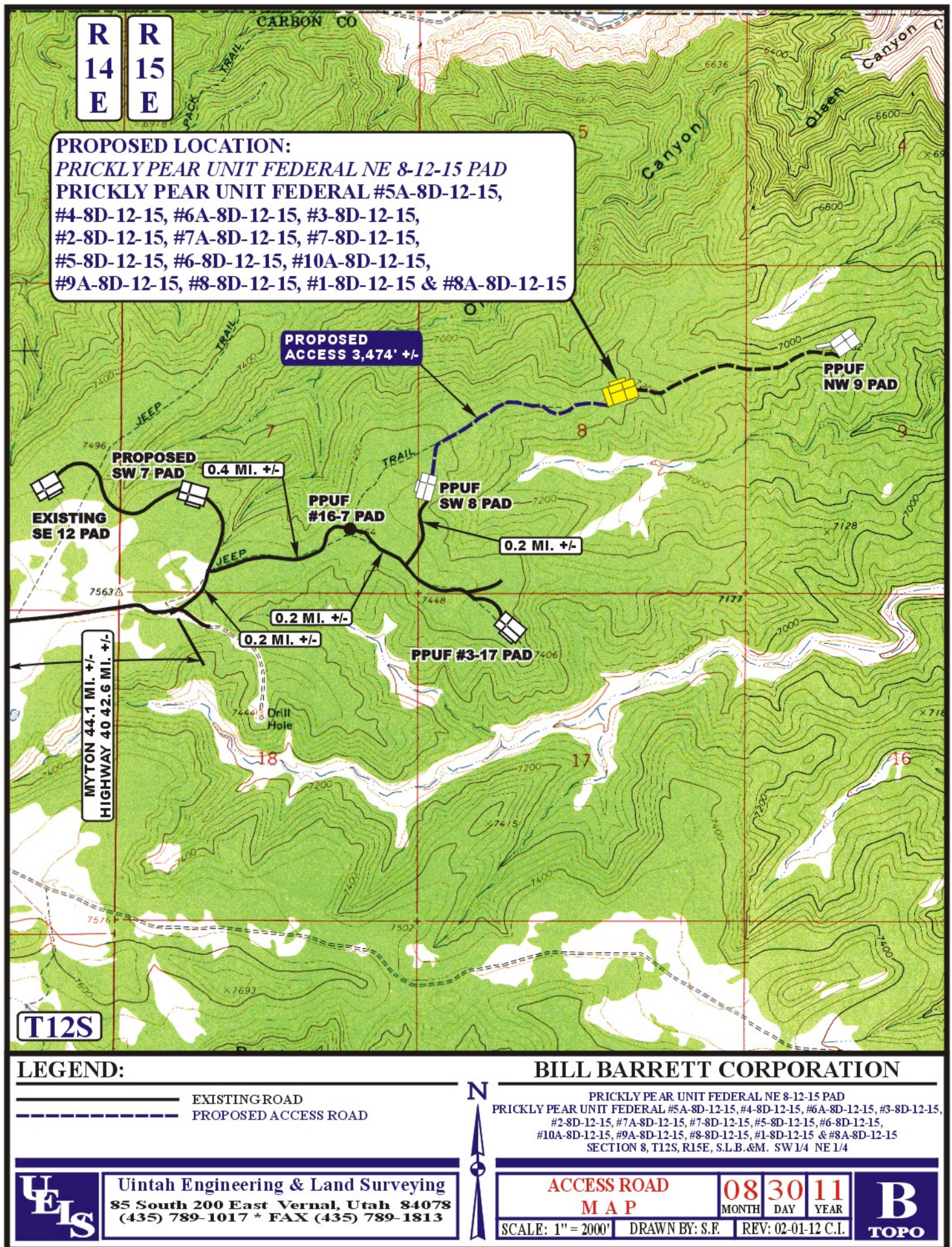
**ACCESS ROAD  
M A P**

**08 30 11**  
**MONTH DAY YEAR**

**SCALE: 1:100,000 DRAWN BY: S.F. REVISED: 00-00-00**









**C**  
**TOPO**





## **Bill Barrett Corp.**

**Carbon County, UT [NAD83]  
Prickly Pear Unit Federal NE 8 Pad  
PPUF #6-8D-12-15 - Slot #6-8D**

**Wellbore #1**

**Plan: plan1 27sept11 msr**

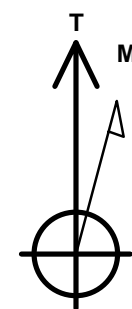
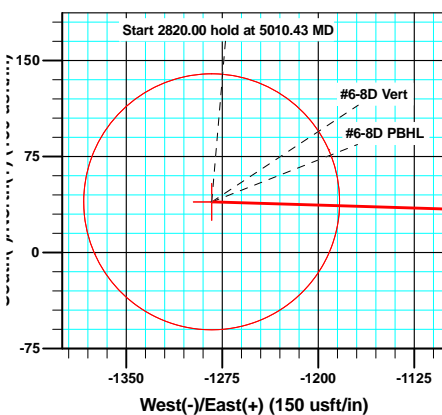
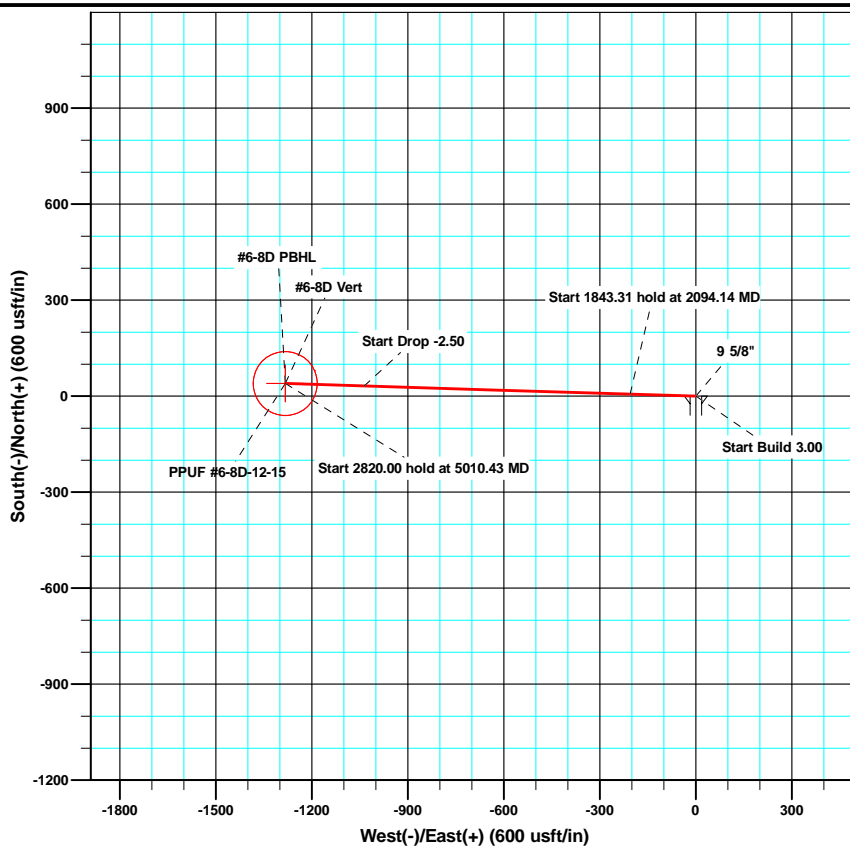
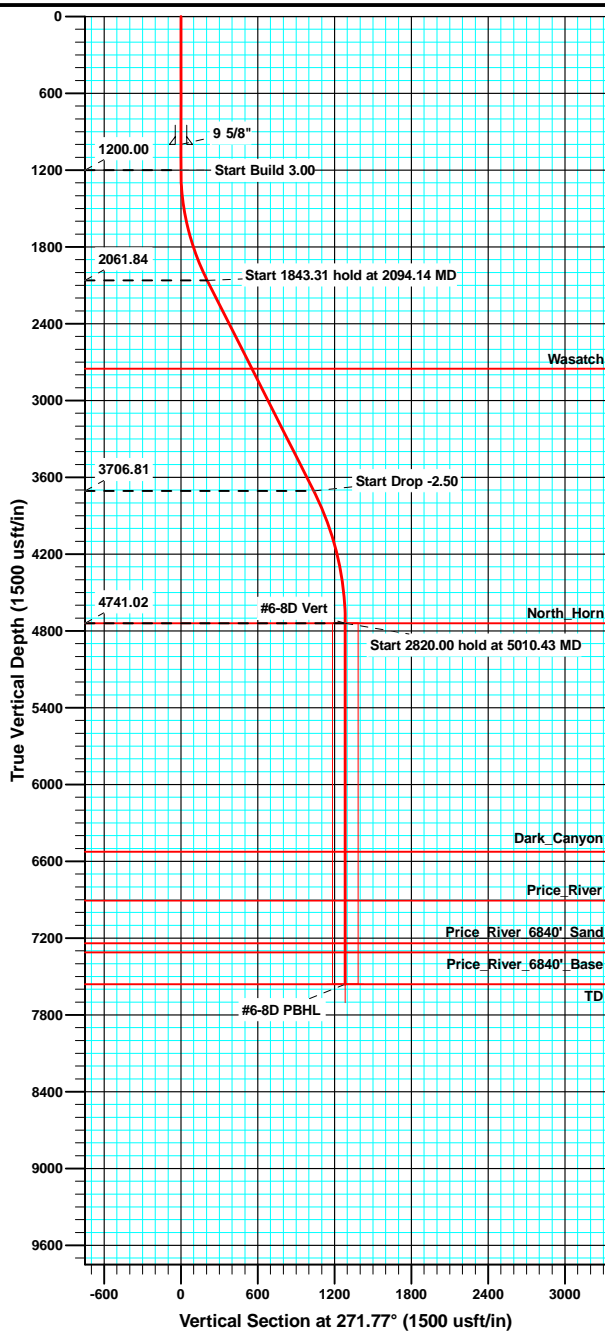
## **Standard Planning Report**

**27 September, 2011**



WELL DETAILS: PPUF #6-8D-12-15

KB=22'  
 Ground Level: 7219.00  
 Easting 1989348.30 Latitude 39° 47' 23.759 N Longitude 110° 15' 29.419 W Slot #6-8D  
 +N/-S 0.00 +E/-W 0.00 Northing 7094630.51



Azimuths to True North  
 Magnetic North: 11.31°

Magnetic Field  
 Strength: 52061.5nT  
 Dip Angle: 65.54°  
 Date: 9/27/2011  
 Model: IGRF2010

## SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	0.00	
2094.11	26.82	271.77	2061.81	6.36	-205.40	3.00	271.77	205.50	
3937.48	26.82	271.77	3706.83	32.11	-1036.80	0.00	0.00	1037.30	
5010.41	0.00	0.00	4741.00	39.74	-1283.28	2.50	180.00	1283.90	#6-8D Vert
7830.41	0.00	0.00	7561.00	39.74	-1283.28	0.00	0.00	1283.90	#6-8D PBHL





## AimWell Services, LLC

## Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PPUF #6-8D-12-15 - Slot #6-8D
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	KB @ 7241.00usft (KB=22')
<b>Project:</b>	Carbon County, UT [NAD83]	<b>MD Reference:</b>	KB @ 7241.00usft (KB=22')
<b>Site:</b>	Prickly Pear Unit Federal NE 8 Pad	<b>North Reference:</b>	True
<b>Well:</b>	PPUF #6-8D-12-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 27sept11 msr		

<b>Project</b>	Carbon County, UT [NAD83]		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

Site		Prickly Pear Unit Federal NE 8 Pad			
Site Position:		Northing:	7,094,642.23 usft	Latitude:	39° 47' 23.870 N
From:	Lat/Long	Easting:	1,989,378.49 usft	Longitude:	110° 15' 29.030 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.80

Well	PPUF #6-8D-12-15 - Slot #6-8D					
Well Position	+N/-S	-11.30 usft	Northing:	7,094,630.51 usft	Latitude:	39° 47' 23.759 N
	+E/-W	-30.35 usft	Easting:	1,989,348.30 usft	Longitude:	110° 15' 29.419 W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	7,219.00 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	9/27/2011	11.31	65.54	52,061

<b>Design</b>	plan1 27sept11 msr			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	271.77

<b>Plan Sections</b>										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,094.11	26.82	271.77	2,061.81	6.36	-205.40	3.00	3.00	0.00	271.77	
3,937.48	26.82	271.77	3,706.83	32.11	-1,036.80	0.00	0.00	0.00	0.00	
5,010.41	0.00	0.00	4,741.00	39.74	-1,283.28	2.50	-2.50	0.00	180.00	#6-8D Vert
7,830.41	0.00	0.00	7,561.00	39.74	-1,283.28	0.00	0.00	0.00	0.00	#6-8D PBHL





<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PPUF #6-8D-12-15 - Slot #6-8D
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	KB @ 7241.00usft (KB=22')
<b>Project:</b>	Carbon County, UT [NAD83]	<b>MD Reference:</b>	KB @ 7241.00usft (KB=22')
<b>Site:</b>	Prickly Pear Unit Federal NE 8 Pad	<b>North Reference:</b>	True
<b>Well:</b>	PPUF #6-8D-12-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 27sept11 msr		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>9 5/8"</b>									
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 3.00</b>									
1,300.00	3.00	271.77	1,299.95	0.08	-2.62	2.62	3.00	3.00	0.00
1,400.00	6.00	271.77	1,399.63	0.32	-10.46	10.46	3.00	3.00	0.00
1,500.00	9.00	271.77	1,498.77	0.73	-23.50	23.51	3.00	3.00	0.00
1,600.00	12.00	271.77	1,597.08	1.29	-41.72	41.74	3.00	3.00	0.00
1,700.00	15.00	271.77	1,694.31	2.01	-65.05	65.08	3.00	3.00	0.00
1,800.00	18.00	271.77	1,790.18	2.89	-93.43	93.48	3.00	3.00	0.00
1,900.00	21.00	271.77	1,884.43	3.93	-126.79	126.85	3.00	3.00	0.00
2,000.00	24.00	271.77	1,976.81	5.11	-165.04	165.12	3.00	3.00	0.00
2,094.11	26.82	271.77	2,061.81	6.36	-205.40	205.50	3.00	3.00	0.00
2,094.14	26.82	271.77	2,061.84	6.36	-205.41	205.51	0.00	0.00	0.00
<b>Start 1843.31 hold at 2094.14 MD</b>									
2,100.00	26.82	271.77	2,067.06	6.44	-208.05	208.15	0.00	0.00	0.00
2,200.00	26.82	271.77	2,156.30	7.84	-253.16	253.28	0.00	0.00	0.00
2,300.00	26.82	271.77	2,245.54	9.24	-298.26	298.40	0.00	0.00	0.00
2,400.00	26.82	271.77	2,334.78	10.63	-343.36	343.53	0.00	0.00	0.00
2,500.00	26.82	271.77	2,424.02	12.03	-388.46	388.65	0.00	0.00	0.00
2,600.00	26.82	271.77	2,513.26	13.43	-433.57	433.77	0.00	0.00	0.00
2,700.00	26.82	271.77	2,602.50	14.82	-478.67	478.90	0.00	0.00	0.00
2,800.00	26.82	271.77	2,691.74	16.22	-523.77	524.02	0.00	0.00	0.00
2,866.40	26.82	271.77	2,751.00	17.15	-553.72	553.99	0.00	0.00	0.00
<b>Wasatch</b>									
2,900.00	26.82	271.77	2,780.98	17.62	-568.87	569.15	0.00	0.00	0.00
3,000.00	26.82	271.77	2,870.22	19.01	-613.98	614.27	0.00	0.00	0.00
3,100.00	26.82	271.77	2,959.46	20.41	-659.08	659.40	0.00	0.00	0.00
3,200.00	26.82	271.77	3,048.70	21.81	-704.18	704.52	0.00	0.00	0.00
3,300.00	26.82	271.77	3,137.94	23.20	-749.28	749.64	0.00	0.00	0.00
3,400.00	26.82	271.77	3,227.18	24.60	-794.39	794.77	0.00	0.00	0.00
3,500.00	26.82	271.77	3,316.42	26.00	-839.49	839.89	0.00	0.00	0.00
3,600.00	26.82	271.77	3,405.66	27.39	-884.59	885.02	0.00	0.00	0.00
3,700.00	26.82	271.77	3,494.91	28.79	-929.70	930.14	0.00	0.00	0.00
3,800.00	26.82	271.77	3,584.15	30.19	-974.80	975.26	0.00	0.00	0.00
3,900.00	26.82	271.77	3,673.39	31.58	-1,019.90	1,020.39	0.00	0.00	0.00
3,937.46	26.82	271.77	3,706.81	32.11	-1,036.79	1,037.29	0.00	0.00	0.00
<b>Start Drop -2.50</b>									
3,937.48	26.82	271.77	3,706.83	32.11	-1,036.80	1,037.30	0.00	0.00	0.00
4,000.00	25.26	271.77	3,763.00	32.96	-1,064.24	1,064.75	2.50	-2.50	0.00
4,100.00	22.76	271.77	3,854.34	34.22	-1,104.91	1,105.44	2.50	-2.50	0.00
4,200.00	20.26	271.77	3,947.37	35.35	-1,141.55	1,142.10	2.50	-2.50	0.00
4,300.00	17.76	271.77	4,041.91	36.36	-1,174.11	1,174.67	2.50	-2.50	0.00



## AimWell Services, LLC

## Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PPUF #6-8D-12-15 - Slot #6-8D
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	KB @ 7241.00usft (KB=22')
<b>Project:</b>	Carbon County, UT [NAD83]	<b>MD Reference:</b>	KB @ 7241.00usft (KB=22')
<b>Site:</b>	Prickly Pear Unit Federal NE 8 Pad	<b>North Reference:</b>	True
<b>Well:</b>	PPUF #6-8D-12-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 27sept11 msr		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,400.00	15.26	271.77	4,137.78	37.24	-1,202.51	1,203.09	2.50	-2.50	0.00	
4,500.00	12.76	271.77	4,234.80	37.99	-1,226.71	1,227.30	2.50	-2.50	0.00	
4,600.00	10.26	271.77	4,332.78	38.60	-1,246.65	1,247.25	2.50	-2.50	0.00	
4,700.00	7.76	271.77	4,431.54	39.09	-1,262.30	1,262.91	2.50	-2.50	0.00	
4,800.00	5.26	271.77	4,530.88	39.44	-1,273.63	1,274.25	2.50	-2.50	0.00	
4,900.00	2.76	271.77	4,630.63	39.66	-1,280.62	1,281.24	2.50	-2.50	0.00	
5,000.00	0.26	271.77	4,730.59	39.74	-1,283.26	1,283.87	2.50	-2.50	0.00	
5,010.41	0.00	0.00	4,741.00	39.74	-1,283.28	1,283.90	2.50	-2.50	0.00	
<b>North_Horn</b>										
5,010.43	0.00	0.00	4,741.02	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
<b>Start 2820.00 hold at 5010.43 MD</b>										
5,100.00	0.00	0.00	4,830.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
5,200.00	0.00	0.00	4,930.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
5,300.00	0.00	0.00	5,030.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
5,400.00	0.00	0.00	5,130.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
5,500.00	0.00	0.00	5,230.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
5,600.00	0.00	0.00	5,330.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
5,700.00	0.00	0.00	5,430.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
5,800.00	0.00	0.00	5,530.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
5,900.00	0.00	0.00	5,630.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
6,000.00	0.00	0.00	5,730.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
6,100.00	0.00	0.00	5,830.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
6,200.00	0.00	0.00	5,930.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
6,300.00	0.00	0.00	6,030.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
6,400.00	0.00	0.00	6,130.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
6,500.00	0.00	0.00	6,230.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
6,600.00	0.00	0.00	6,330.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
6,700.00	0.00	0.00	6,430.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
6,795.41	0.00	0.00	6,526.00	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
<b>Dark_Canyon</b>										
6,800.00	0.00	0.00	6,530.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
6,900.00	0.00	0.00	6,630.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
7,000.00	0.00	0.00	6,730.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
7,100.00	0.00	0.00	6,830.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
7,175.41	0.00	0.00	6,906.00	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
<b>Price_River</b>										
7,200.00	0.00	0.00	6,930.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
7,300.00	0.00	0.00	7,030.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
7,400.00	0.00	0.00	7,130.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
7,500.00	0.00	0.00	7,230.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
7,510.41	0.00	0.00	7,241.00	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
<b>Price_River_6840' Sand</b>										
7,580.41	0.00	0.00	7,311.00	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
<b>Price_River_6840' Base</b>										
7,600.00	0.00	0.00	7,330.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
7,700.00	0.00	0.00	7,430.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
7,800.00	0.00	0.00	7,530.59	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
7,830.41	0.00	0.00	7,561.00	39.74	-1,283.28	1,283.90	0.00	0.00	0.00	
<b>TD at 7830.43 - TD</b>										



## AimWell Services, LLC

## Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PPUF #6-8D-12-15 - Slot #6-8D
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	KB @ 7241.00usft (KB=22')
<b>Project:</b>	Carbon County, UT [NAD83]	<b>MD Reference:</b>	KB @ 7241.00usft (KB=22')
<b>Site:</b>	Prickly Pear Unit Federal NE 8 Pad	<b>North Reference:</b>	True
<b>Well:</b>	PPUF #6-8D-12-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 27sept11 msr		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
#6-8D Vert	0.00	0.00	4,741.00	39.74	-1,283.28	7,094,652.43	1,988,064.59	39° 47' 24.151 N	110° 15' 45.860 W
- plan hits target center									
- Point									
#6-8D PBHL	0.00	0.00	7,561.00	39.74	-1,283.28	7,094,652.43	1,988,064.59	39° 47' 24.151 N	110° 15' 45.860 W
- plan hits target center									
- Circle (radius 100.00)									

Casing Points					
	Measured Depth	Vertical Depth		Casing Diameter	Hole Diameter
	(usft)	(usft)	Name	(")	(")
	1,000.00	1,000.00	9 5/8"	9-5/8	12-1/4

Formations					
	Measured Depth	Vertical Depth		Dip	Dip Direction
	(usft)	(usft)	Name	(°)	(°)
	2,866.40	2,751.00	Wasatch	0.00	
	5,010.41	4,741.00	North_Horn	0.00	
	6,795.41	6,526.00	Dark_Canyon	0.00	
	7,175.41	6,906.00	Price_River	0.00	
	7,510.41	7,241.00	Price_River_6840'_Sand	0.00	
	7,580.41	7,311.00	Price_River_6840'_Base	0.00	
	7,830.41	7,561.00	TD	0.00	

Plan Annotations					
	Measured Depth	Vertical Depth	Local Coordinates		
	(usft)	(usft)	+N/-S	+E/-W	Comment
			(usft)	(usft)	
	1,200.00	1,200.00	0.00	0.00	Start Build 3.00
	2,094.14	2,061.84	6.36	-205.41	Start 1843.31 hold at 2094.14 MD
	3,937.46	3,706.81	32.11	-1,036.79	Start Drop -2.50
	5,010.43	4,741.02	39.74	-1,283.28	Start 2820.00 hold at 5010.43 MD
	7,830.41	7,561.00	39.74	-1,283.28	TD at 7830.43

**SURFACE USE PLAN**

**BILL BARRETT CORPORATION**  
**Prickly Pear Unit Federal NE Sec. 8-12-15 Pad SUP**  
**Carbon County, UT**

<b><u>Prickly Pear Unit Federal 1-8D-12-15</u></b> SWNE, 2031' FNL, 1894' FEL, Sec. 8, T12S-R15E (surface hole) NENE, 665' FNL, 591' FEL, Sec. 8, T12S-R15E (bottom hole)	<b><u>Prickly Pear Unit Federal 2-8D-12-15</u></b> SWNE, 2024' FNL, 1905' FEL, Sec. 8, T12S-R15E (surface hole) NWNE, 676' FNL, 1912' FEL, Sec. 8, T12S-R15E (bottom hole)
<b><u>Prickly Pear Unit Federal 3-8D-12-15</u></b> SWNE, 2027' FNL, 1912' FEL, Sec. 8, T12S-R15E (surface hole) NENW, 683' FNL, 2051' FWL, Sec. 8, T12S-R15E (bottom hole)	<b><u>Prickly Pear Unit Federal 4-8D-12-15</u></b> SWNE, 2032' FNL, 1927' FEL, Sec. 8, T12S-R15E (surface hole) NWNW, 686' FNL, 730' FWL, Sec. 8, T12S-R15E (bottom hole)
<b><u>Prickly Pear Unit Federal 5-8D-12-15</u></b> SWNE, 2044' FNL, 1931' FEL, Sec. 8, T12S-R15E (surface hole) SWNW, 2007' FNL, 727' FWL, Sec. 8, T12S-R15E (bottom hole)	<b><u>Prickly Pear Unit Federal 5A-8D-12-15</u></b> SWNE, 2035' FNL, 1935' FEL, Sec. 8, T12S-R15E (surface hole) SWNW, 1347' FNL, 725' FWL, Sec. 8, T12S-R15E (bottom hole)
<b><u>Prickly Pear Unit Federal 6-8D-12-15</u></b> SWNE, 2042' FNL, 1923' FEL, Sec. 8, T12S-R15E (surface hole) SENE, 2004' FNL, 2048' FWL, Sec. 8, T12S-R15E (bottom hole)	<b><u>Prickly Pear Unit Federal 6A-8D-12-15</u></b> SWNE, 2030' FNL, 1920' FEL, Sec. 8, T12S-R15E (surface hole) SENE, 1344' FNL, 2046' FWL, Sec. 8, T12S-R15E (bottom hole)
<b><u>Prickly Pear Unit Federal 7-8D-12-15</u></b> SWNE, 2018' FNL, 1890' FEL, Sec. 8, T12S-R15E (surface hole) SWNE, 1994' FNL, 1877' FEL, Sec. 8, T12S-R15E (bottom hole)	<b><u>Prickly Pear Unit Federal 7A-8D-12-15</u></b> SWNE, 2021' FNL, 1897' FEL, Sec. 8, T12S-R15E (surface hole) SWNE, 1337' FNL, 1903' FEL, Sec. 8, T12S-R15E (bottom hole)
<b><u>Prickly Pear Unit Federal 8-8D-12-15</u></b> SWNE, 2033' FNL, 1901' FEL, Sec. 8, T12S-R15E (surface hole) SENE, 1980' FNL, 562' FEL, Sec. 8, T12S-R15E (bottom hole)	<b><u>Prickly Pear Unit Federal 8A-8D-12-15</u></b> SWNE, 2028' FNL, 1886' FEL, Sec. 8, T12S-R15E (surface hole) SENE, 1326' FNL, 583' FEL, Sec. 8, T12S-R15E (bottom hole)
<b><u>Prickly Pear Unit Federal 9A-8D-12-15</u></b> SWNE, 2036' FNL, 1909' FEL, Sec. 8, T12S-R15E (surface hole) NESE, 2652' FSL, 559' FEL, Sec. 8, T12S-R15E (bottom hole)	<b><u>Prickly Pear Unit Federal 10A-8D-12-15</u></b> SWNE, 2039' FNL, 1916' FEL, Sec. 8, T12S-R15E (surface hole) NWSE, 2654' FSL, 1880' FEL, Sec. 8, T12S-R15E (bottom hole)

This is a new pad with a total of **FOURTEEN** directional wells proposed to be drilled in one phase. The onsite for this pad took place on October 11<sup>th</sup> and 12<sup>th</sup>, 2011.

The excavation contractor would be provided with an approved copy of the surface use plan of operations before initiating construction.

1. **Existing Roads:**

- a. The proposed pad is located approximately 45.8 miles from Myton, Utah. Maps reflecting directions to the proposed pad are included (see Topographic maps A and B).
- b. The use of roads under State and County Road Department maintenance is necessary to access the Prickly Pear Unit. However, an encroachment permit is not anticipated as there are no upgrades to the State or County road systems proposed at this time.
- c. No topsoil stripping would occur as there are no improvements proposed to existing State, County or main BLM access roads.
- d. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a scraper and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.
- e. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.
- f. To address safety-related traffic concerns, drivers and rig crews would be advised of the hazards to recreational traffic along the existing and proposed access roads, as well as hazards present due to blind corners, cars parked on the road, pedestrian traffic, and mountain bikers. In addition, appropriate signs would be erected to warn non-project personnel about traffic hazards associated

Bill Barrett Corporation  
Surface Use Plan  
Prickly Pear NE 8-12-15 Pad  
Carbon County, Utah

with project-related activities and during times of rig moves, when there is heavy equipment, traffic may be controlled on sections of roads. Traffic would be controlled using roadside signs, flagmen, and barricades as appropriate.

- g. Dust suppression and monitoring would be implemented where necessary and as prescribed by the BLM.
- h. An off-lease federal right-of-way for the access road and utility corridor is not anticipated at this time since existing roads are being utilized into the Prickly Pear Unit area. All new construction would be within the Unit.

2. Planned Access Road:

- a. From the existing Interplanetary airstrip road, BBC would traverse east on an existing access road, pass through the existing Prickly Pear SW 8 well pad. From there, approximately 3474 ft of proposed road would be required within the Prickly Pear Unit (see Topographic Map B). This 3474 ft access road was included in the Surface Use Plan submitted with the Prickly Pear NW 9 pad and is not to be included with this Surface Use Plan. No additional disturbance is planned other than what was included with the NW 9 pad. A road design plan is not anticipated at this time.
- b. The proposed access road would be co-located by pipeline(s) and the requested corridor disturbance would be 100 ft with a short-term corridor disturbance of 80 reclaimed to a long-term corridor of 30 ft.
- c. The proposed road would be constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.
- d. Intervisible turnouts would be constructed, where necessary and as topographic conditions allow, in order to improve traffic safety. A maximum grade of 10 percent would be maintained with minimum cuts and fills, as necessary, to access the well pad.
- e. New road construction and improvements of existing roads would typically require the use of motorgraders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough-in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.
- f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private, State of Utah, or federal lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.
- g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.
- h. Adequate drainage structures would be incorporated and culverts, with a minimum diameter of 18 inches, would be installed as necessary.
- i. No gates or cattle guards are anticipated at this time.
- j. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.

Bill Barrett Corporation  
 Surface Use Plan  
 Prickly Pear NE 8-12-15 Pad  
 Carbon County, Utah

- k. All access roads and surface disturbing activities would conform to the appropriate standard, no higher than necessary, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007. BBC would be responsible for all maintenance of the access road.

3. Location of Existing Wells (see One-Mile Radius Map):

- a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed pad:
 

i. water wells	none
ii. injection wells	none
iii. disposal wells	none
iv. drilling wells	none
v. temp shut-in wells	none
vi. producing wells	thirty
vii. abandoned wells	none

4. Location of Production Facilities:

- a. Each proposed well would have its own meter run and separator. Proposed wellheads and christmas trees may be contained below location grade in pre-cast concrete trenches. All wellheads associated with the drilling operations for this pad may be contained in the same trench measuring approximately 26 ft wide, 10 ft deep, and 72 ft long (# wells x 8 ft + 16 ft for two end pieces). Drawings of below ground cellars can be provided by BBC upon request
- b. Tank facilities for this pad would be a centralized tank battery facility (CTB) that is co-located on this pad and liquids would be pumped through the SW 8 well pad and through the SE 7 CTB to the Prickly Pear 4-18 CTB/well pad located in the NWNW, Sec. 18, 12S-15E and trucked from that location. Surface facilities for wells associated with this pad and future pads to the east in the NE of Sec. 9, 12S-15E would consist of up to eight 500 BBL or 625 BBL production tanks depending on PA status, one tank the same size as the production tanks each for non-PA wells, one 9x15.5 300 BBL blow down tank, one line heater, multiple chemical tanks, two glycol solar pumps, multiple chemical solar pumps, multiple 500gl methanol tanks and solar pumps, and a possible gas lift compressor measuring 20'x8'4". As all of the wells on this pad are outside of the PA, production would be combined in non-PA tanks while production on the NE 8 CTB and for PA wells flowing into the CTB on the SE 7 CTB, would be combined in a separate set of tanks. Figure 4 reflects facility plans and is attached.
- c. CTBs would be surrounded by a secondary containment berm of sufficient capacity to contain the 1.1 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves would be placed inside the berm surrounding the CTB or would utilize catchment basins to contain spills. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil. Any variances from this would be submitted via a sundry notice. BBC requests permission to install the necessary production/operation facilities with this application.
- d. Most wells would be fitted with plunger lift systems to assist liquid production. However, pump jacks may be used if liquid volumes and/or low formation pressures require it. Plunger lift systems do not require any outside source of energy. The prime mover for pump jacks would be small (75 horsepower or less), natural gas-fired internal combustion engines.
- e. Gas meter run(s) would be constructed and located on lease within 500 feet of the wellheads. Meter runs would be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas

Bill Barrett Corporation  
Surface Use Plan  
Prickly Pear NE 8-12-15 Pad  
Carbon County, Utah

Association (AGA) Report No. 3 and any variances would be included with this submittal or submitted via sundry notice.

- f. A combustor exists on the Prickly Pear 4-18 well pad/CTB and one is planned for on this pad. A combustor ranges from 24 inches to 48 inches wide and is approximately 10 ft -27 ft tall. Combustor placement would be on existing disturbance and would not be closer than 100 ft to any tank or wellhead(s).
- g. The proposed SW 8 pad will utilize the previously permitted 3505 feet of gas gathering pipeline (up to 12 inch diameter) and one liquids lines (up to 6 inch diameter), included in the Surface Use Plan for the Prickly Pear NW 9 pad (see Topographic Map C for lines) and will exist before this pad is built. No additional disturbance is planned above what was permitted with the NW 9 pad.
- h. The proposed gas pipeline would be constructed of steel while the liquids lines would be constructed of steel, polyethylene, or fiberglass. The gas pipeline and liquids line would be buried, where soil conditions permit, within the proposed co-located access road and pipeline corridor.
- i. Although BBC intends on burying the new proposed pipelines, burial of pipelines would depend upon the site-specific topographic and soil conditions and operational requirements. If bedrock was encountered, BBC would contact the Authorized Officer at the time of construction to discuss further.
- j. BBC intends on stringing the pipeline on the surface, welding many joints into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. The welded joints would either remain on the surface or would be placed within the trench, depending on the scenario. BBC intends on connecting the pipeline together utilizing conventional welding technology.
- k. Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the re-establishment of the native plant community.
- l. To limit erosion potential, backfill over pipeline trenches would be compacted so as not to extend above the original ground level after the fill has settled. Wheel or other methods of compacting backfill would be utilized as practicably feasible to reduce trench settling and water channeling.
- m. All **permanent** above-ground structures would be painted a flat, non-reflective Olive Black to match the standard environmental colors. These structures would be painted the designated color at the time of installation or within 6 months of being located on site. Facilities that are required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- n. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to. Any changes to facilities proposed within this surface use plan would be depicted on the site security diagram submitted.
- o. The site would require periodic maintenance to ensure that drainages are kept open and free of debris, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

5. Location and Type of Water Supply:

- a. Bill Barrett Corporation would use water consistent with approvals granted by the Utah State Engineer's Office under:
  - Application Number 90-1866, expires December 31, 2020
  - Application Number 90-1868, expires April 25, 2012
  - Application Number 90-1869, expires April 25, 2012
  - Application Number 90-1870, expires October 12, 2012
  - Application Number 90-1874, expires January 5, 2013
  - Application Number 90-4, expires December 31, 2015

Bill Barrett Corporation  
Surface Use Plan  
Prickly Pear NE 8-12-15 Pad  
Carbon County, Utah

Application Number 90-5, expires January 31, 2018

- b. Water use for this location would most likely be diverted from Nine Mile Creek, the N¼ of Section 3, T12S-R14E. Bobtail trucks would haul the water, traveling Prickly Pear road to Harmon Canyon, traveling north to this point of diversion.
  - c. Water use would vary in accordance with the formations to be drilled but would average approximately 1 acre-foot (7,758 barrels) during drilling operations and 1 acre-foot (7,758 barrels) during completion operations.
6. Source of Construction Material:
- a. The use of materials would conform to 43 CFR 3610.2-3.
  - b. No construction materials would be taken out of the Prickly Pear Unit.
  - c. If any additional gravel is required, it would be obtained from SITLA materials permits, federal BBC locations within the Prickly Pear unit or from private sources.
7. Methods of Handling Waste Disposal:
- a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.
- Closed Loop Drilling System
- b. BBC intends to employ a closed loop drilling system in which drilling fluids and cuttings would be thoroughly processed such that the separated cuttings are relatively dry. The cuttings would be stored on location in either secured piles or in the 275 ft x 60 ft cuttings trench.
  - c. The cuttings trench would not be lined. Three sides of the trench would be fenced before drilling starts and the fourth side would be fenced at the time drilling is completed on the last well on the pad and shall remain until cuttings trench has been reclaimed.
  - d. Upon completion of drilling, the cuttings would be tested and further processed as necessary to meet standards for burial on site or other BLM approved uses such as a media for road surfacing or growing media for reclamation.
- Conventional or Semi-Closed Loop Drilling System
- e. In the event closed loop drilling is not employed, a conventional or semi-closed loop system would be used where a small amount of fluid is retained in the cuttings and the cuttings are placed in the reserve pit. The reserve pit would also store water to make up losses and store any excess drilling fluids. Reserve pits would be constructed with an impermeable liner so as to prevent releases. The pit liner would overlap the pit walls and be anchored with soil and/or rocks to hold it in place. No trash, scrap pipe, etc. that could puncture the liner would be disposed of in the pit and a minimum of 2 ft of freeboard would be maintained in the pit at all times. Reserve pits would be constructed and maintained according to BLM or UDOGM requirements as appropriate.
  - f. Three sides of the reserve pit would be fenced before drilling starts and the fourth side would be fenced at the time drilling is completed on the last well on the pad and shall remain until the pit is dry.
  - g. Any hydrocarbons floating on the surface of the reserve pit would be removed as soon as possible after drilling and completion operations are finished. In some cases, the reserve pit may be flagged overhead or covered with wire or plastic mesh to protect migrating birds.

Completion Pit



Bill Barrett Corporation  
Surface Use Plan  
Prickly Pear NE 8-12-15 Pad  
Carbon County, Utah

- h. Where closed loop drilling is employed, the cuttings trench disturbed area would typically also be used to store water for completion activities. The completion pit would be constructed with an impermeable liner to prevent releases and would be fenced and constructed and maintained according to BLM or UDOGM requirements.

Other

- i. Produced fluids from the wells other than water would be decanted into steel test tanks until such time as construction of production facilities is completed. Produced water may be used in further drilling and completion activities, evaporated in the pit or would be hauled to a state approved disposal facility.
- j. After initial clean-up and based on volumes, BBC would install a tank (maximum size 400 barrel capacity) to contain produced waste water. After first production, produced wastewater would be confined to tanks within the CTB for a period not to exceed ninety (90) days. Thereafter, produced water would be used in further drilling and completion activities or hauled to a State approved disposal facility.
- k. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.
- l. Any spills of oil, condensate, produced or frac water, drilling fluids, or other potentially deleterious substances would be recovered and either returned to its origin or disposed of at an approved disposal site, most likely in Duchesne, Utah.
- m. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the course of drilling, BBC could potentially store and use diesel fuel, sand (silica), hydrochloric acid, and CO<sub>2</sub> gas, all described as hazardous substances in 40 CFR Part 302, Section 302.4, in quantities exceeding 10,000 pounds. In addition, natural gas condensate and crude oil and methanol may be stored or used in reportable quantities. Small quantities of retail products (paint/spray paints, solvents {e.g., WD-40}, and lubrication oil) containing non-reportable volumes of hazardous substances may be stored and used on site at any time. No extremely hazardous substances, as defined in 40 CFR 355, would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.
- n. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Carbon, Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW, well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.
- o. Sanitary waste equipment and trash bins would be removed from the WTP Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.
- p. A flare pit may be constructed a minimum of 110' from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the West Tavaputs Project area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow

Bill Barrett Corporation  
Surface Use Plan  
Prickly Pear NE 8-12-15 Pad  
Carbon County, Utah

to the open top tanks until flow through the pressurized vessels is possible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.

- q. Flare lines would be directed so as to avoid damage to surrounding vegetation, adjacent rock faces, or other resources, and as required by regulations. Flare lines would be in place on all well locations. In the event it becomes necessary to flare a well, a deflector and/or directional orifice would also be used to safeguard both personnel and adjacent natural rock faces.

8. Ancillary Facilities:

- a. Garbage containers and portable toilets would be located on the well pad.
- b. Storage yards for tubulars and other equipment and temporary housing areas, located on BBC surface, would be utilized.
- c. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. Active drilling locations could include up to five single wide mobile homes or fifth wheel campers/trailers.

9. Well Site Layout:

- a. Each well would be properly identified in accordance with 43 CFR 3162.6
- b. The pad with a co-located CTB, has been staked at its maximum size of 448 x 305 ft with a 275 ft x 60 ft cuttings trench/reserve pit/completion pit outboard of the pad. The location layout and cross section diagrams are enclosed. For disturbance totals, see 12.d below.
- c. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.
- d. Proposed wellheads and christmas trees may be contained below location grade in pre-cast concrete trenches.
- e. The cuttings trench or reserve pit would be fenced on three sides during drilling and on the fourth side immediately after the removal of the drilling rig. In the event closed loop drilling is employed, the cuttings trench would be removed or stockpiled on one edge of the trench and the area would be used for a completion pit during completion operations.
- f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.
- g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.
- h. Construction of the well pad would take from 1 to 3 weeks depending on the features at the particular site.
- i. Dust suppression may be implemented if necessary to minimize the amount of fugitive dust.

10. Plan for Restoration of the Surface:

Interim Reclamation

Bill Barrett Corporation  
Surface Use Plan  
Prickly Pear NE 8-12-15 Pad  
Carbon County, Utah

- a. Portions of the disturbed area within a construction ROW or portions of well pads not needed for production would be reclaimed according to specifications of the BLM as appropriate.
- b. Prior to interim reclamation activities, all solid wastes and refuse would be removed and placed at approved landfills. The portions of the well pad or access and pipeline corridor not needed for production would be re-contoured to promote proper drainage, salvaged topsoil would be replaced, and side slopes would be ripped and disked on the contour. Following site preparation, reseeding would be completed during either the spring or fall planting season, when weather conditions are most favorable. Seed mixtures for reclaimed areas would be site-specific and would require approval by the BLM. BBC would apply and meet BLM's Green River District Reclamation Standards, where practicable.
- c. The operator would control noxious weeds along access road use authorizations, pipeline route authorizations, well sites or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate county extension office. On BLM administered land it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.
- d. Following interim reclamation, access roads (including roads co-located with pipeline) would be reduced to approximately 30 feet of disturbance. Roads leading to well sites that would not have surface production equipment would be designed and reclaimed in a way that minimizes impacts to the visual character of the host lands.
- e. Weather permitting, earthwork for interim reclamation would be completed within 6 months of completion of the final well on the pad or plugging and would continue until satisfactory revegetation cover is established. Inter-seeding (i.e. seeding into existing vegetation), secondary seeding, or staggered seeding may be used to accomplish revegetation objectives. During rehabilitation of areas in important wildlife habitat, provisions would be made for the establishment of native browse and forb species. Follow-up seeding or corrective erosion control measures would occur on areas where initial reclamation efforts are unsuccessful, as determined by the BLM or the appropriate surface management agency.

Dry Hole/Final Reclamation

- f. All disturbed lands associated with this project, including the pipelines, access roads, water management facilities, etc. would be expediently reclaimed and reseeded in accordance with the reclamation plan and any pertinent site-specific COAs.
- g. When a well is to be plugged and abandoned, BBC would submit a Notice of Intent to Abandon (NOA) to the BLM or UDOGM as appropriate. The BLM or UDOGM would then attach the appropriate surface rehabilitation COAs for the well pad, and as appropriate, for the associated access road, pipeline, and ancillary facilities. During plugging and abandonment, all structures and equipment would be removed from the well pad. Backfilling, leveling, and re-contouring would then be performed according to the BLM or UDOGM order.
- h. Any mulch used by BBC would be weed-free and free from mold, fungi, or noxious weeds. Mulch may include native hay, small grain straw, wood fiber, live mulch, cotton, jute, synthetic netting or rock.
- i. BBC would reshape disturbed channel beds to their approximate original configuration.
- j. Reclamation of abandoned roads may include re-shaping, re-contouring, re-surfacing with topsoil, installation of water bars, and seeding on the contours. Road beds, well pads, and other compacted areas would be ripped to a depth of approximately 1 foot on 1.5 foot centers to reduce compaction prior to spreading the topsoil across the disturbed area. Stripped vegetation would be spread over the disturbance area for nutrient recycling, where practical. Additional erosion control measures (e.g. fiber matting) and road barriers to discourage travel may be constructed if appropriate.

Bill Barrett Corporation  
 Surface Use Plan  
 Prickly Pear NE 8-12-15 Pad  
 Carbon County, Utah

Graveled roads, well pads, and other sites would be stripped of usable gravel prior to ripping as deemed necessary. Culverts, cattleguards, and signs would be removed as roads are abandoned.

- k. BBC will follow their field wide reclamation plan and the site specific plans will be submitted within 90 days of APD approval in a sundry to the appropriate field office.

11. Surface and Mineral Ownership:

- a. Surface ownership – Federal under the management of the Bureau of Land Management – Price Field Office, 125 South 600 West, Price Utah 84078; (435) 636-3600.

- b. Mineral ownership –

Federal under the management of the Bureau of Land Management – Price Field Office, 125 South 600 West, Price Utah 84078; (435) 636-3600.

State under the management of the state of Utah – 1594 West North Temple, Suite 1210, Salt Lake City, Utah 84116; (801) 538-5340.

12. Other Information:

- a. Montgomery Archaeological Consultants conducted a cultural resource inventory for this pad/CTB, access and pipeline under MOAC 11-254, dated 9/16/2011.
- b. BBC would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.
- c. Project personnel and contractors would be educated on and subject to the following requirements:
- No dogs within the WTP Project Area;
  - No firearms within the WTP Project Area;
  - No littering within the WTP Project Area;
  - No alcohol within the WTP Project Area;
  - Smoking within the WTP Project Area would only be allowed in off-operator active locations or in specifically designated smoking areas. All cigarette butts would be placed in appropriate containers and not thrown on the ground or out windows of vehicles; personnel and contractors would abide by all fire restriction orders;
  - Campfires or uncontained fires of any kind would be prohibited within the WTP Project Area;
  - Portable generators used in the WTP Project Area would have spark arrestors.
- d. All disturbances are within the Prickly Pear unit: Surface and bottom hole disturbances occur on lease UTU-73006.

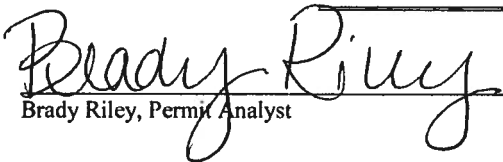
	Short Term	Long Term
Proposed Estimated Pad Disturbance <sup>1</sup>	6.646	2.449
Total Proposed Estimated	6.646 Acres	2.449 acres

<sup>1</sup>CTB is co-located on this pad and included in disturbance of pad acreage

OPERATOR CERTIFICATION

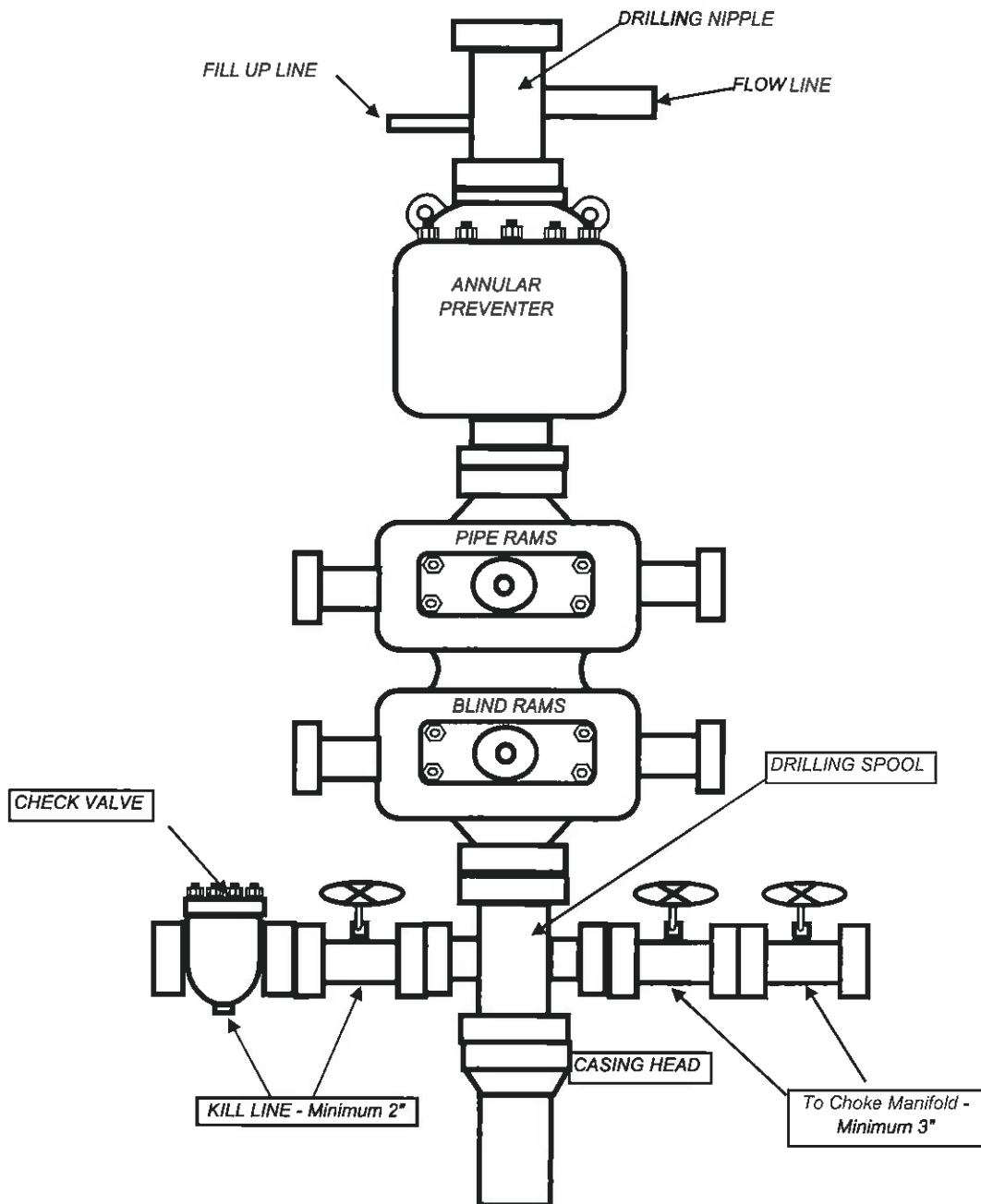
## Certification:

I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein would be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filings of false statements.

Executed this 13 day of March 2012Name: Brady RileyPosition Title: Permit AnalystAddress: 1099 18<sup>th</sup> Street, Suite 2300, Denver, CO 80202Telephone: 303-312-8115Field Representative Danny RasmussenAddress: 1820 W. Hwy 40, Roosevelt, UT 84066Telephone: 435-724-6999E-mail: drasmussen@billbarrettcorp.com  
Brady Riley, Permit Analyst

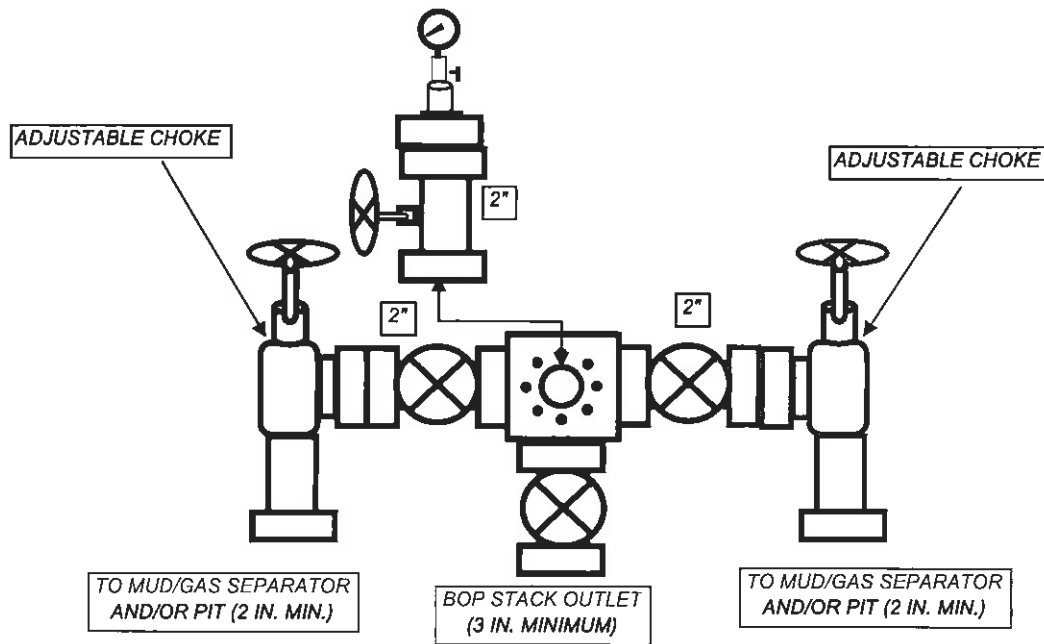
# BILL BARRETT CORPORATION

## TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER



# BILL BARRETT CORPORATION

## TYPICAL 3,000 p.s.i. CHOKE MANIFOLD





April 17, 2012

Ms. Diana Mason  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Directional Drilling R649-3-11  
Prickly Pear Unit Federal #6-8D-12-15  
SHL: 2042' FNL & 1923' FEL, SWNE 8-T12S-R15E  
BHL: 2004' FNL & 2048' FWL, SENW 8-T12S-R15E  
Carbon County, Utah

Dear Ms. Mason:

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill ("APD") regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the "Exception to Location and Siting of Wells."

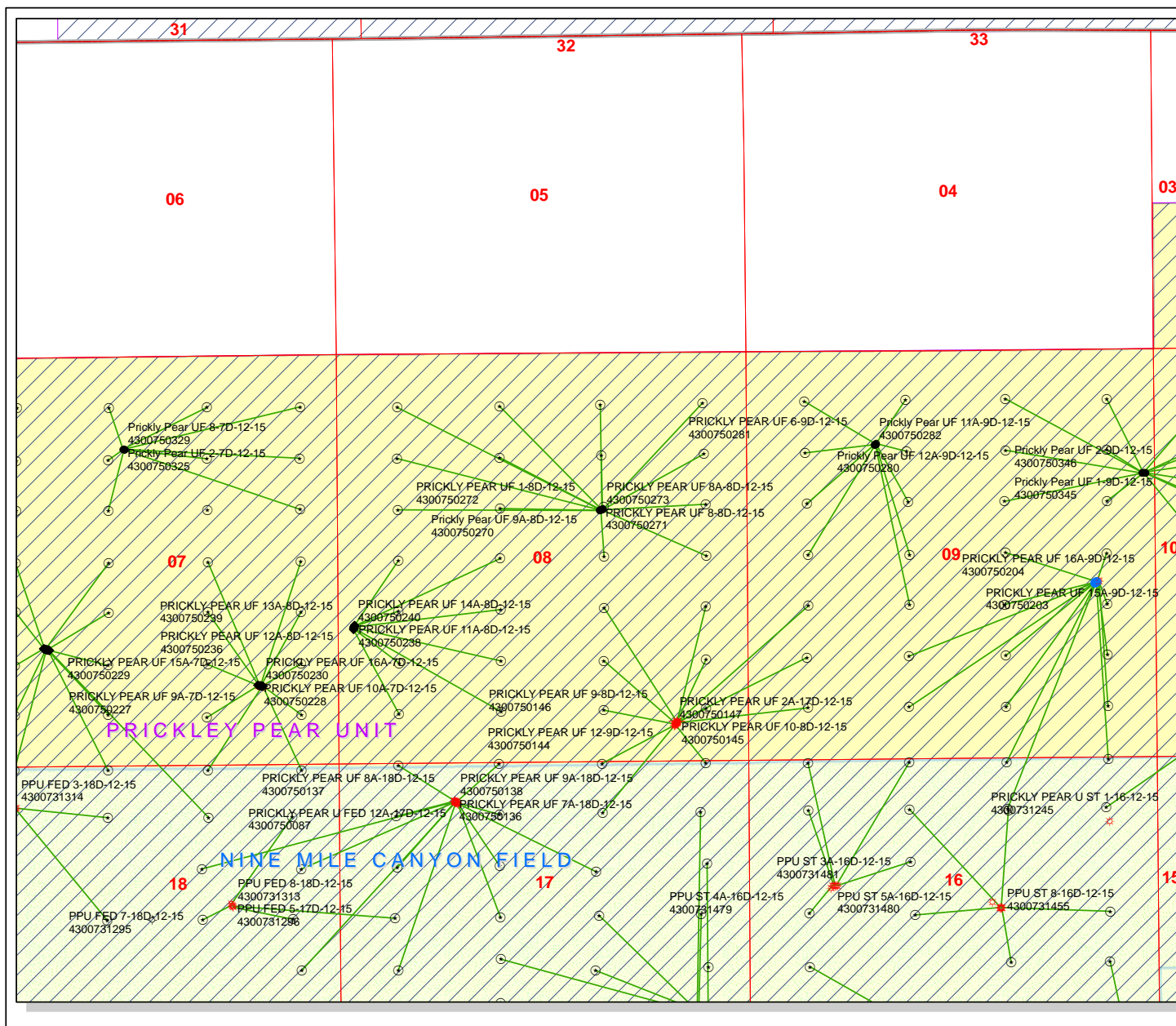
- The above-mentioned proposed location is within the Prickly Pear Unit Area;
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area;
- BBC hereby certifies this well is located within 460 feet of the unit boundary.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. If you should have any questions or need further information, please contact Vicki Wambolt, Landman at 303-312-8513.

Sincerely,

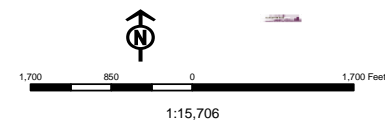
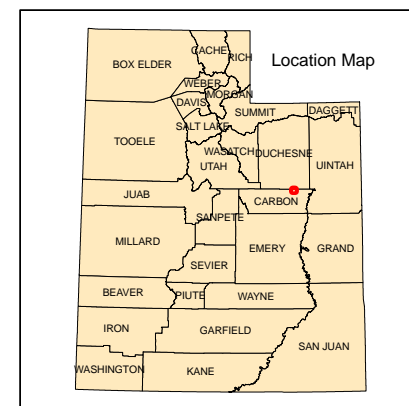
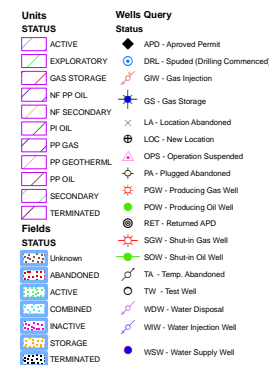
Vicki Wambolt  
Landman





**API Number: 4300750268**  
**Well Name: PRICKLY PEAR UF 6-8D-12-15**  
**Township T1.2 . Range R1.5 . Section 08**  
**Meridian: SLBM**  
**Operator: BILL BARRETT CORP**

Map Prepared:  
Map Produced by Diana Mason



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

May 15, 2012

### Memorandum

To: Associate Field Office Manager,  
Price Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2012 Plan of Development Prickly Pear Unit  
Carbon County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2012 within the Prickly Pear Unit, Carbon County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ WASATCH-MESA VERDE)		
<b>Prickly Pear NE 8 Pad</b>		
43-007-50260	P PEAR 5A-8D-12-15	Sec 08 T12S R15E 2035 FNL 1935 FEL BHL Sec 08 T12S R15E 1347 FNL 0725 FWL
43-007-50261	P PEAR 6A-8D-12-15	Sec 08 T12 R15E 2030 FNL 1920 FEL BHL Sec 08 T12S R15E 1344 FNL 2046 FWL
43-007-50262	P PEAR 4-8D-12-15	Sec 08 T12S R15E 2032 FNL 1927 FEL BHL Sec 08 T12S R15E 0686 FNL 0730 FWL
43-007-50263	P PEAR 3-8D-12-15	Sec 08 T12S R15E 2027 FNL 1912 FEL BHL Sec 08 T12S R15E 0683 FNL 2051 FWL
43-007-50264	P PEAR 2-8D-12-15	Sec 08 T12S R15E 2024 FNL 1905 FEL BHL Sec 08 T12S R15E 0676 FNL 1912 FEL
43-007-50265	P PEAR 7A-8D-12-15	Sec 08 T12S R15E 2021 FNL 1897 FEL BHL Sec 08 T12S R15E 1337 FNL 1903 FEL
43-007-50266	P PEAR 7-8D-12-15	Sec 08 T12S R15E 2018 FNL 1890 FEL BHL Sec 08 T12S R15E 1994 FNL 1877 FEL
43-007-50267	P PEAR 5-8D-12-15	Sec 08 T12S R15E 2044 FNL 1931 FEL BHL Sec 08 T12S R15E 2007 FNL 0727 FWL
43-007-50268	P PEAR 6-8D-12-15	Sec 08 T12S R15E 2042 FNL 1923 FEL BHL Sec 08 T12S R15E 2004 FNL 2048 FWL

RECEIVED: May 15, 2012

API #	WELL NAME	LOCATION
(Proposed PZ WASATCH-MESA VERDE)		
43-007-50269	P Pear 10A-8D-12-15	Sec 08 T12S R15E 2039 FNL 1916 FEL BHL Sec 08 T12S R15E 2654 FSL 1880 FEL
43-007-50270	P Pear 9A-8D-12-15	Sec 08 T12S R15E 2036 FNL 1909 FEL BHL Sec 08 T12S R15E 2652 FSL 0559 FEL
43-007-50271	P PEAR 8-8D-12-15	Sec 08 T12S R15E 2033 FNL 1901 FEL BHL Sec 08 T12S R15E 1980 FNL 0562 FEL
43-007-50272	P PEAR 1-8D-12-15	Sec 08 T12S R15E 2031 FNL 1894 FEL BHL Sec 08 T12S R15E 0665 FNL 0591 FEL
43-007-50273	P PEAR 8A-8D-12-15	Sec 08 T12S R15E 2028 FNL 1886 FEL BHL Sec 08 T12S R15E 1326 FNL 0583 FEL
<b>Prickly Pear NW 9 Pad</b>		
43-007-50274	P PEAR 5-9D-12-15	Sec 09 T12S R15E 1228 FNL 1616 FWL BHL Sec 09 T12S R15E 1979 FNL 0743 FWL
43-007-50275	P PEAR 5A-9D-12-15	Sec 09 T12S R15E 1224 FNL 1622 FWL BHL Sec 09 T12S R15E 1324 FNL 0725 FWL
43-007-50276	P PEAR 4-9D-12-15	Sec 09 T12S R15E 1219 FNL 1629 FWL BHL Sec 09 T12S R15E 0659 FNL 0722 FWL
43-007-50277	P PEAR 3-9D-12-15	Sec 09 T12S R15E 1210 FNL 1642 FWL BHL Sec 09 T12S R15E 0651 FNL 2026 FWL
43-007-50278	P PEAR 6A-9D-12-15	Sec 09 T12S R15E 1215 FNL 1635 FWL BHL Sec 09 T12S R15E 1319 FNL 2033 FWL
43-007-50279	P PEAR 11-9D-12-15	Sec 09 T12S R15E 1232 FNL 1628 FWL BHL Sec 09 T12S R15E 1989 FSL 2055 FWL
43-007-50280	P Pear 12A-9D-12-15	Sec 09 T12S R15E 1236 FNL 1622 FWL BHL Sec 09 T12S R15E 2645 FSL 0754 FWL
43-007-50281	P PEAR 6-9D-12-15	Sec 09 T12S R15E 1223 FNL 1641 FWL BHL Sec 09 T12S R15E 1974 FNL 2051 FWL
43-007-50282	P Pear 11A-9D-12-15	Sec 09 T12S R15E 1227 FNL 1635 FWL BHL Sec 09 T12S R15E 2638 FSL 2061 FWL
<b>Prickly Pear SW 10 Pad</b>		
43-007-50283	P PEAR 1X-16D-12-15	Sec 10 T12S R15E 0800 FSL 1451 FWL BHL Sec 16 T12S R15E 0652 FNL 0689 FEL
43-007-50284	P Pear 5A-15D-12-15	Sec 10 T12S R15E 0792 FSL 1461 FWL BHL Sec 15 T12S R15E 1350 FNL 0672 FWL
43-007-50285	P Pear 6A-15D-12-15	Sec 10 T12S R15E 0795 FSL 1469 FWL BHL Sec 15 T12S R15E 1339 FNL 1991 FWL
43-007-50286	P Pear 3-15D-13-15	Sec 10 T12S R15E 0797 FSL 1477 FWL BHL Sec 15 T12S R15E 0678 FNL 1986 FWL

API #	WELL NAME	LOCATION
(Proposed PZ WASATCH-MESA VERDE)		
43-007-50288	P Pear 13-10D-12-15	Sec 10 T12S R15E 0798 FSL 1443 FWL
	BHL	Sec 10 T12S R15E 0653 FSL 0663 FWL
43-007-50292	P Pear 14A-10D-12-15	Sec 10 T12S R15E 0809 FSL 1482 FWL
	BHL	Sec 10 T12S R15E 1312 FSL 1979 FWL
43-007-50298	P Pear 13A-10D-12-15	Sec 10 T12S R15E 0802 FSL 1459 FWL
	BHL	Sec 10 T12S R15E 1315 FSL 0652 FWL
43-007-50299	P Pear 12-10D-12-15	Sec 10 T12S R15E 0804 FSL 1466 FWL
	BHL	Sec 10 T12S R15E 1971 FSL 0662 FWL
43-007-50300	P Pear 11-10D-12-15	Sec 10 T12S R15E 0806 FSL 1474 FWL
	BHL	Sec 10 T12S R15E 1974 FSL 1983 FWL
43-007-50301	P Pear 3A-15D-12-15	Sec 10 T12S R15E 0799 FSL 1485 FWL
	BHL	Sec 15 T12S R15E 0018 FNL 1975 FWL
43-007-50303	P Pear 4-15D-12-15	Sec 10 T12S R15E 0790 FSL 1454 FWL
	BHL	Sec 15 T12S R15E 0670 FNL 0666 FWL
43-007-50304	P Pear 4A-15D-12-15	Sec 10 T12S R15E 0788 FSL 1446 FWL
	BHL	Sec 15 T12S R15E 0064 FNL 0658 FWL
43-007-50305	P Pear 14-10D-12-15	Sec 10 T12S R15E 0811 FSL 1489 FWL
	BHL	Sec 10 T12S R15E 0653 FSL 1980 FWL
<b>Prickly Pear NE 15 Pad</b>		
<b>(Currently unleased Federal Minerals on November 2012 Sale)</b>		
43-007-50287	P Pear 15A-10D-12-15	Sec 15 T12S R15E 0075 FNL 1565 FEL
	BHL	Sec 10 T12S R15E 1316 FSL 1977 FEL
43-007-50289	P Pear 15-10D-12-15	Sec 15 T12S R15E 0076 FNL 1573 FEL
	BHL	Sec 10 T12S R15E 0671 FSL 1979 FEL
43-007-50290	P Pear 16A-10D-12-15	Sec 15 T12S R15E 0072 FNL 1541 FEL
	BHL	Sec 10 T12S R15E 1323 FSL 0645 FEL
43-007-50291	P Pear 9-10D-12-15	Sec 15 T12S R15E 0073 FNL 1549 FEL
	BHL	Sec 10 T12S R15E 2022 FSL 0645 FEL
43-007-50293	P Pear 10-10D-12-15	Sec 15 T12S R15E 0074 FNL 1557 FEL
	BHL	Sec 10 T12S R15E 1987 FSL 1960 FEL
43-007-50295	P Pear 13-11D-12-15	Sec 15 T12S R15E 0069 FNL 1509 FEL
	BHL	Sec 11 T12S R15E 0703 FSL 0638 FWL
43-007-50296	P Pear 13A-11D-12-15	Sec 15 T12S R15E 0070 FNL 1517 FEL
	BHL	Sec 11 T12S R15E 1328 FSL 0671 FWL
43-007-50297	P Pear 12-11D-12-15	Sec 15 T12S R15E 0072 FNL 1533 FEL
	BHL	Sec 11 T12S R15E 2024 FSL 0648 FWL
<b>Prickly Pear SW 14 Pad</b>		
43-007-50302	P Pear 12-14D-12-15	Sec 14 T12S R15E 1387 FSL 1252 FWL
	BHL	Sec 14 T12S R15E 2017 FSL 0653 FWL

API #	WELL NAME
(Proposed PZ	WASATCH-MESA VERDE)

LOCATION

## Prickly Pear SE 17 Pad

43-007-50306	P	Pear	9A-17D-12-15	Sec 17	T12S	R15E	2029	FSL	0575	FEL	
				BHL	Sec 17	T12S	R15E	2628	FSL	0572	FEL

43-007-50308	P	Pear	10A-17D-12-15	Sec 17	T12S	R15E	2014	FSL	0580	FEL	
				BHL	Sec 17	T12S	R15E	2601	FSL	2027	FEL

43-007-50310 P Pear 16A-17D-12-15 Sec 17 T12S R15E 1976 FSL 0592 FEL  
BHL Sec 17 T12S R15E 1301 FSL 0573 FEL

43-007-50312	P	Pear	15A-17D-12-15	Sec 17	T12S	R15E	1991	FSL	0587	FEL	
				BHL	Sec 17	T12S	R15E	1315	FSL	1917	FEL

43-007-50316	P	Pear	6X-17D-12-15	Sec 17	T12S	R15E	2006	FSL	0582	FEL	
				BHL	Sec 17	T12S	R15E	2529	FNL	2018	FWL

43-007-50317 P Pear 11A-17D-12-15 Sec 17 T12S R15E 1999 FSL 0585 FEL  
BHL Sec 17 T12S R15E 2195 FSL 2013 FWL

43-007-50318	P	Pear	15B-17D-12-15	Sec 17	T12S	R15E	1983	FSL	0589	FEL	
				BHL	Sec 17	T12S	R15E	0218	FSL	1946	FEL

## Prickly Pear NW 7 Pad

43-007-50309	P	Pear	3-7D-12-15	Sec 07	T12S	R15E	1190	FNL	1974	FWL	
				BHL	Sec 07	T12S	R15E	0653	FNL	1795	FWL

43-007-50311 P Pear 6-7D-12-15 Sec 07 T12S R15E 1199 FNL 1987 FWL  
BHL Sec 07 T12S R15E 1980 FNL 1787 FWL

43-007-50313	P	Pear	6A-7D-12-15	Sec 07	T12S	R15E	1195	FNL	1981	FWL
				BHL	Sec 07	T12S	R15E	1331	FNL	1784

43-007-50314 P Pear 7A-7D-12-15 Sec 07 T12S R15E 1200 FNL 2005 FWL  
BHL Sec 07 T12S R15E 1327 FNL 1727 FEL

43-007-50315	P	Pear	8A-7D-12-15	Sec	07	T12S	R15E	1196	FNL	1999	FWL	
				BHL	Sec	07	T12S	R15E	1332	FNL	0533	FEL

43-007-50320 P Pear 1-7D-12-15 Sec 07 T12S R15E 1191 FNL 1993 FWL  
BHL Sec 07 T12S R15E 0668 FNL 0523 FEL

43-007-50325 P Pear 2-7D-12-15 Sec 07 T12S R15E 1186 FNL 1986 FWL  
BHL Sec 07 T12S R15E 0663 FNL 1722 FEL

43-007-50329 P Pear 8-7D-12-15 Sec 07 T12S R15E 1204 FNL 1993 FWL  
BHL Sec 07 T12S R15E 1991 FNL 0531 FEL

43-007-50331	P	Pear	7-7D-12-15	Sec 07	T12S	R15E	1209	FNL	2000	FWL
				BHL Sec 07	T12S	R15E	1987	FNL	1725	FEL

## Prickly Pear NE 20 Pad

43-007-50319	P	Pear	8A-20D-12-15	Sec	20	T12S	R15E	1636	FNL	1899	FEL	
				BHL	Sec	20	T12S	R15E	1432	FNL	0586	FEL

API #	WELL NAME	LOCATION
(Proposed PZ WASATCH-MESA VERDE)		
43-007-50321	P Pear 7A-20D-12-15	Sec 20 T12S R15E 1633 FNL 1906 FEL BHL Sec 20 T12S R15E 1332 FNL 1902 FEL
43-007-50322	P Pear 9A-20D-12-15	Sec 20 T12S R15E 1639 FNL 1891 FEL BHL Sec 20 T12S R15E 2645 FSL 0871 FEL
43-007-50323	P Pear 10A-20D-12-15	Sec 20 T12S R15E 1627 FNL 1921 FEL BHL Sec 20 T12S R15E 2630 FSL 1907 FEL
43-007-50324	P Pear 10-20D-12-15	Sec 20 T12S R15E 1624 FNL 1928 FEL BHL Sec 20 T12S R15E 1971 FSL 1909 FEL
43-007-50326	P Pear 14A-20D-12-15	Sec 20 T12S R15E 1614 FNL 1950 FEL BHL Sec 20 T12S R15E 1311 FSL 2022 FWL
43-007-50327	P Pear 16A-20D-12-15	Sec 20 T12S R15E 1630 FNL 1914 FEL BHL Sec 20 T12S R15E 1307 FSL 0592 FEL
43-007-50328	P Pear 15A-20D-12-15	Sec 20 T12S R15E 1621 FNL 1936 FEL BHL Sec 20 T12S R15E 1309 FSL 1913 FEL
43-007-50330	P Pear 15-20D-12-15	Sec 20 T12S R15E 1617 FNL 1943 FEL BHL Sec 20 T12S R15E 0650 FSL 1916 FEL
<b>Prickly Pear NE 9 Pad</b>		
43-007-50332	P Pear 6-10D-12-15	Sec 09 T12S R15E 1621 FNL 0140 FEL BHL Sec 10 T12S R15E 1980 FNL 1986 FWL
43-007-50333	P Pear 5A-10D-12-15	Sec 09 T12S R15E 1612 FNL 0150 FEL BHL Sec 10 T12S R15E 1320 FNL 0667 FWL
43-007-50334	P Pear 11A-10D-12-15	Sec 09 T12S R15E 1623 FNL 0156 FEL BHL Sec 10 T12S R15E 2627 FSL 1983 FWL
43-007-50340	P Pear 4-10D-12-15	Sec 09 T12S R15E 1615 FNL 0165 FEL BHL Sec 10 T12S R15E 0653 FNL 0681 FWL
43-007-50341	P Pear 8-9D-12-15	Sec 09 T12S R15E 1626 FNL 0172 FEL BHL Sec 09 T12S R15E 1980 FNL 0644 FEL
43-007-50342	P Pear 8A-9D-12-15	Sec 09 T12S R15E 1618 FNL 0181 FEL BHL Sec 09 T12S R15E 1320 FNL 0645 FEL
43-007-50343	P Pear 7A-9D-12-15	Sec 09 T12S R15E 1627 FNL 0180 FEL BHL Sec 09 T12S R15E 1318 FNL 1945 FEL
43-007-50344	P Pear 7-9D-12-15	Sec 09 T12S R15E 1629 FNL 0187 FEL BHL Sec 09 T12S R15E 1975 FNL 1965 FEL
43-007-50345	P Pear 1-9D-12-15	Sec 09 T12S R15E 1616 FNL 0173 FEL BHL Sec 09 T12S R15E 0659 FNL 0638 FEL
43-007-50346	P Pear 2-9D-12-15	Sec 09 T12S R15E 1619 FNL 0189 FEL BHL Sec 09 T12S R15E 0650 FNL 1941 FEL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard  
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,  
ou=Branch of Minerals, email=Michael\_Coulthard@blm.gov, c=US  
Date: 2012.05.15 11:05:48 -06'00'

bcc: File - Prickly Pear Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:5-15-12

RECEIVED: May 15, 2012

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 5/3/2012

API NO. ASSIGNED: 43007502680000

WELL NAME: PRICKLY PEAR UF 6-8D-12-15

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8115

CONTACT: Brady Riley

PROPOSED LOCATION: SWNE 08 120S 150E

Permit Tech Review: ☒

SURFACE: 2042 FNL 1923 FEL

Engineering Review: ☐

BOTTOM: 2004 FNL 2048 FWL

Geology Review: ☒

COUNTY: CARBON

LATITUDE: 39.78991

LONGITUDE: -110.25793

UTM SURF EASTINGS: 563537.00

NORTHINGS: 4404703.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU73006

PROPOSED PRODUCING FORMATION(S): WASATCH-MESA VERDE

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: FEDERAL - WYB000040☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: NINE MILE CANYON☐ RDCC Review:☐ Fee Surface Agreement☐ Intent to Commingle

Commingle Approved

## LOCATION AND SITING:

☐ R649-2-3.

Unit: PRICKLY PEAR

☐ R649-3-2. General☐ R649-3-3. Exception☒ Drilling Unit

Board Cause No: Cause 256-01

Effective Date: 12/16/2004

Siting: Suspends General Siting

☒ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason  
15 - Directional - dmason

RECEIVED: May 17, 2012





GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** PRICKLY PEAR UF 6-8D-12-15  
**API Well Number:** 43007502680000  
**Lease Number:** UTU73006  
**Surface Owner:** FEDERAL  
**Approval Date:** 5/17/2012

### Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 256-01. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

### Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil &

Gas website  
at <http://oilgas.ogm.utah.gov>

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers  
Associate Director, Oil & Gas

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0136  
Expires July 31, 2010

## APPLICATION FOR PERMIT TO DRILL OR REENTER

COPY

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU73006
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BILL BARRETT CORPORATION Contact: BRADY RILEY E-Mail: briley@billbarrettcorp.com		7. If Unit or CA Agreement, Name and No. UTU79487H X
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202		8. Lease Name and Well No. PRICKLY PEAR UNIT FEDERAL 6-8D-12-15
3b. Phone No. (include area code) Ph: 303.312.8115 Fx: 303.291.0420		9. API Well No. 43-007-50268
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SWNE 2042FNL 1923FEL At proposed prod. zone SENW 2004FNL 2048FWL		10. Field and Pool, or Exploratory PRICKLY PEAR
14. Distance in miles and direction from nearest town or post office* 45.8 MILES FROM MYTON, UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 8 T12S R15E Mer SLB SME: BLM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 2004 UNIT/LEASE	16. No. of Acres in Lease 2054.68	12. County or Parish CARBON
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1898 COMPLETED; 659 LEASE	19. Proposed Depth 7830 MD 7561 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 7219 GL	22. Approximate date work will start 08/01/2012	17. Spacing Unit dedicated to this well 20.00
		20. BLM/BIA Bond No. on file WYB000040
		23. Estimated duration 25

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) BRADY RILEY Ph: 303.312.8115	Date 03/12/2012
Title PERMIT ANALYST		
Approved by (Signature)	Name (Printed/Typed) /s/ Leslie Peterson	Date 1/9/13
Title AFM LANDS & MINERALS	Office PRICE FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #132790 verified by the BLM Well Information System  
For BILL BARRETT CORPORATION, sent to the Price  
Committed to AFMSS for processing by PRISCILLA WHITE-ABUHL on 03/14/2012 (12PCWU3990E) GAS & MINING

CONDITIONS OF APPROVAL ATTACHED

NOTICE OF  
APPROVAL

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
PRICE FIELD OFFICE



125 SOUTH 600 WEST PRICE, UT 84501 (435) 636-3600

**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Bill Barrett Corporation Surface Location: SWNE-Sec 8-T12S-R15E  
Well No: Prickly Pear Unit Federal 6-8D-12-15 Lease No: UTU-73006  
API No: 43-007-50268 Agreement: UTU-79487X

Title	Name	Office Phone Number	Cell Phone Number
Associate Field Manager & Authorized Officer:	Leslie Peterson (Acting)	(435)-636-3661	(435) 650-9136
Petroleum Engineer:	Leslie Peterson	(435) 636-3661	(435) 650-9136
Petroleum Engineering Technician	Angela Wadman	(435) 636-3662	(435) 632-8595
NRS/Envir Scientist:	Don Stephens	(435) 636-3608	

Fax: (435) 636-3657

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

RECEIVED

JAN 15 2013

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify NRS)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Petroleum Eng. Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Petroleum Eng. Technician)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.

DIV. OF OIL, GAS & MINING

UDOGM

COPY

## ***DRILLING PROGRAM CONDITIONS OF APPROVAL (COAs)***

### **SITE SPECIFIC DRILLING & PRODUCTION COAs**

- While drilling the surface hole with air, a float valve shall be run above the bit, per Onshore Order #2 Part III.E Special Drilling Operations.
- Bill Barrett Corporation (BBC) proposes the use of several different options of production casing (including the N-80, I-100 and P-110 grades). BBC has stated that only the P-110 grade of pipe will be used in the casing and completion of the production hole. Therefore, the use of N-80 and I-100 grade production casing is not approved for use in this well. However, any of these grades may be requested for use in the future by sundry notice.
- When cementing surface casing, if cement returns are not seen at surface, mitigation measures shall be taken to ensure the groundwater and all usable waters are properly protected per Onshore Order #2 Part III.B.1(c) Casing and Cementing Requirements. Cementing jobs where cement reaches surface, then falls back downhole, shall be topped off as necessary until such time the cement remains in-place at surface, prior to starting drilling operations on the next casing string.
- When cementing the production casing, the cement job shall contain sufficient volume to attempt full coverage of exposed hole behind pipe to protect all usable waters, lost circulation zones and other minerals which may be encountered while drilling to total depth, and also provide a minimum 200' foot overlap above the surface casing shoe. A cement bond log (CBL) shall be run to determine the top of cement behind the production casing, and a field copy sent to the Price Field Office.

### **VARIANCES GRANTED**

- BBC's request for a variance not to use de-duster equipment (Onshore Order #2 Part III.E Special Drilling Operations) is granted, unless the air/mist system is not used.
- BBC's request for a variance to use an electronic flow meter for gas measurement (Onshore Order #5 Measurement of Gas) is granted as long as it meets or exceeds the requirements of Utah NTL 2007-1 regarding the use of Electronic Flow Computers.
- BBC's request for variance from Onshore Order #5 Part III.C.3 Gas Measurement by Orifice Meter to use a flow conditioner on this well instead of straightening vanes is approved with the following conditions:
  1. Flow conditioners must be installed in accordance with the manufacturer's specifications.
  2. The make, model, and location of flow conditioner must be clearly identified and available to BLM on-site at all times.
  3. Thermowells must be placed downstream of the orifice in accordance with API 14.3 (1985).
  4. This is a provisional approval that is subject to change pending final review and analysis by BLM. If BLM determines that this flow conditioner cannot meet or exceed the minimum standards required by Onshore Order #5, you will be required to retrofit the installation to comply with BLM requirements, or replace the installation with one that complies with AGA Report Number 3, 1985. The time frame for compliance will be specified by the Price Field Office.

## **STANDARD OPERATING REQUIREMENTS**

- The requirements included in Onshore Order #2 Drilling Operations shall be followed.
- A copy of the approved Application for Permit to Drill (APD) for this well shall be on location at all times once drilling operations have commenced.
- The Price Field Office petroleum engineer will be notified 24 hours prior to spudding the well.
- Notify the Price Field Office petroleum engineering technician at least 24 hours in advance of casing cementing operations, BOPE tests and casing pressure or mud weight equivalency tests.
- The requirements of Onshore Order #6 Hydrogen Sulfide Operations shall be followed when operations are being conducted in zones which are known or could reasonably be expected to contain H<sub>2</sub>S or which, when flared, could produce SO<sub>2</sub>, in such concentrations that upon release could constitute a hazard to human life. These requirements do not apply when operating in zones where H<sub>2</sub>S is presently known not to be present or cannot reasonably be expected to be present in concentrations of 100 ppm or more in the gas stream.
- Any deviation from the permitted APD's proposed drilling program shall have prior approval from the petroleum engineer. Changes may be requested verbally (to be followed by a written sundry sent to this office), or submitted by written sundry if time warrants.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed. The closing unit controls shall remain unobstructed and readily accessible at all times, and choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily, and the inspections recorded in the daily drilling report. Components shall be operated and tested, as required by Onshore Order #2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder, and not by the rig pumps. Test results shall be reported in the driller's log.
- All casing strings below the conductor pipe shall be pressure tested to .22 psi/foot or 1500 psi (whichever is greater), but not to exceed 70% of the internal yield pressure.
- No aggressive/fresh hard-banded drill pipe shall be used in the casing design. The proposed use of non-API standard casing must be approved in advance by the petroleum engineer.
- During drilling operations, daily drilling reports shall be submitted by sundry on a weekly basis to the Price Field Office. Within 30 days of finishing drilling and completion operations, a chronological daily operations history shall be submitted by sundry to this office. A copy of all logs run on this well shall be submitted digitally (in PDF or TIFF format) to the Price Field Office.
- A complete set of angular deviation and directional surveys for this directional well will be submitted to the Price Field Office petroleum engineer within 30 days of completing the well.
- The venting or flaring of gas while initially testing the well shall be done in accordance with the requirements specified in Notice to Lessees #4A, and shall not exceed a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. Additional time needed to vent or flare gas during production operations requires prior approval from the Price Field Office.

**STANDARD OPERATING REQUIREMENTS (cont.)**

- Should this well be successfully completed as a producing well, the Price Field Office must be notified within 5 business days following the date the well has first sales.
- Proposed production operations that involve: 1) the commingling of production from wells located on-lease or off-lease, 2) off-lease measurement, or 3) off-lease storage shall have prior written approval from the Price Field Office.
- Operators shall meet the requirements listed in Onshore Order #4 Measurement of Oil and Onshore Order #5 Measurement of Gas. New oil and gas meters shall be calibrated prior to initial product sales. The operator (or its contractors) is responsible for providing the date and time of the initial meter calibration (and all future meter proving schedules) to the petroleum engineering technician. Copies of all meter calibration reports that are performed shall be submitted to the Price Field Office upon request.
- In accordance with 43 CFR 3162.4-3, this well's production data shall be reported on the "Monthly Report of Operations" starting with the month in which drilling operations commence and continue each month until the well is plugged and abandoned.
- The operator is responsible for submitting the information required in 43 CFR 3162.4-1 Well Records and Reports, including BLM Form 3160-4, Well Completion and Recompletion Report and Log which must be submitted to the Price Field Office within 30 days of completing the well.
- Onshore Order #7 authorizes the disposal of water produced from this well in the reserve pit for a period of 90 days after the date of initial production. A permanent disposal method must be submitted and approved by this office, and in operation prior to the end of this 90-day period.
- The requirements of Onshore Order #3 Site Security shall be implemented, and include (as applicable): 1) all lines entering and leaving hydrocarbon storage tanks shall be effectively sealed and seal records maintained, 2) no by-passes are allowed to be constructed around gas meters, 3) a site facility diagram shall be submitted to the Price Field Office within 60 days following construction of the facilities.
- Additional construction that is proposed, or the proposed alteration of existing facilities (including roads, gathering lines, batteries, etc.), which will result in the disturbance of new ground, requires prior approval of the Price Field Office natural resource specialist.
- This well and its associated facilities shall have identifying signs on location in accordance with 43 CFR 3162.6 requirements.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the Price Field Office natural resource specialist.
- The Price Field Office petroleum engineer shall be notified 24 hours in advance of the plugging of the well (unless the plugging is to take place immediately upon receipt of oral approval), so that a technician may have sufficient time to schedule and witness the plugging operations.
- If operations are to be suspended on a well for more than 30 days, prior approval of the Price Field Office shall be obtained, and notification also given before operations resume.

**SURFACE USE  
CONDITIONS OF APPROVAL**

Project Name: BBC Prickly Pear NE 8 Pad

Operator: Bill Barrett Corporation

**List of Wells:**

Name	Number	Section	TWP/RNG
Prickly Pear	1-8D-12-15	8	T12S R15E
Prickly Pear	2-8D-12-15		
Prickly Pear	3-8D-12-15		
Prickly Pear	4-8D-12-15		
Prickly Pear	5-8D-12-15		
Prickly Pear	5A-8D-12-15		
Prickly Pear	6-8D-12-15		
Prickly Pear	6A-8D-12-15		
Prickly Pear	7-8D-12-15		
Prickly Pear	8-8D-12-15		
Prickly Pear	8A-8D-12-15		
Prickly Pear	9A-8D-12-15		
Prickly Pear	10A-8D-12-15		
Prickly Pear	7A-8D-12-15		

**I To be followed as Conditions of Approval:**

The following attachments from the Record of Decision West Tavaputs Plateau Natural Gas Full Field Development Plan:

Attachment 2	Conditions of Approval and Stipulations
Attachment 3	Green River District Reclamation Guidelines
Attachment 4	Programmatic Agreement
Attachment 5	Special Protection Measures for Wildlife
Attachment 6	Agency Wildlife Mitigation Plan
Attachment 7	Long-Term Monitoring Plan for Water Resources
Attachment 8	Mitigation Compliance and Monitoring Plan

**II Site Specific Conditions of Approval**

1. A pre-construction field meeting may be conducted prior to beginning any dirt work approved under this APD. The operator shall contact Don Stephens with the Price BLM Field Office @ 435-636-3608 at least 48-hours prior to beginning operations so that the meeting can be scheduled. The operator is responsible for having all contractors present (dirt contractors, drilling contractor, pipeline contractor, project oversight personnel, etc.) including the overall field operations superintendent, and for providing all contractors copies of the approved APD(s), project map and BLM Conditions of Approval pertinent to the work that each will be doing.



2. The cuttings trench shall be lined.
3. The cuttings shall not be removed from the location without prior approval of the Authorized Officer.
4. The operator shall on an annual basis report to the BLM the acre feet of water used for the project with a total for each type of source. This report shall contain the information found under monitoring on page 53 of attachment 9 (Biological Opinion) of the WTP ROD and shall be reported to BLM by September 15, of each year.
5. When water is pumped directly from Nine Mile Creek or perennial drainages, the following measures shall be applied to reduce or eliminate direct impacts to habitat for the Colorado River fish species. Where directed by the BLM, the operator will construct erosion control devices (e.g., riprap, bales, and heavy vegetation) at culvert outlets. All construction activities shall be performed to retain natural water flows.
6. Contact Don Stephens, Natural Resource Specialist, (435) 636-3608, Bureau of Land Management, Price Field Office, if there are any questions concerning these surface use COA.

### **III Standard Conditions of Approval**

#### **A. General**

1. If any cultural values [sites, artifacts, human remains] are observed during operation of this lease/permit/right-of-way, they will be left intact and the Price Field Manager notified. The authorized officer will conduct an evaluation of the cultural values to establish appropriate mitigation, salvage or treatment. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized BLM officer (AO).

#### **B. Construction**

1. Remove all available topsoil from constructed well locations including areas of cut and fill, and stockpile at the site. Topsoil will also be salvaged for use in reclamation on all other areas of surface disturbance (roads, pipelines, etc.). Clearly segregate topsoil from excess spoil material.
2. During construction, emissions of particulate matter from well pad and road construction would be minimized by application of water or other non-saline dust suppressants with at least 50 percent control efficiency. Dust inhibitors (surfacing materials, non-saline dust suppressants, and water) will be used as necessary on unpaved roads that present a fugitive dust problem. The use of chemical dust suppressants on public surface will require prior approval from the BLM Authorized Officer.
3. The operator shall submit a Sundry Notice (Form 3160-5) to BLM for approval prior to construction of any new surface disturbing activities that are not specifically addressed in the approved APD.

#### **C. Operations/Maintenance**

1. In accordance with OSHA requirements, a file will be maintained onsite containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds and/or substances which are used in the course of construction, drilling, completion and production operations.

#### **D. Dry Hole/Reclamation**

1. Phased reclamation plans will be submitted to BLM for approval prior to individual POD facility abandonment via a Notice of Intent (NOI) Sundry Notice.
2. BLM will not release the performance bond until all disturbed areas associated with the APD/POD have been successfully revegetated (evaluation will be made after the second complete growing season) and has met all other reclamation goals of the surface owner and surface management agency.
3. A Notice of Intent to Abandon and a Subsequent Report of Abandonment must be submitted for abandonment approval.
4. For performance bond release approval, a Final Abandonment Notice (with a surface owner release letter on split-estate) must be submitted prior to a final abandonment evaluation by BLM.

#### **E. Producing Well**

1. An interim reclamation plan shall be submitted to BLM within 90 days of APD approval.
2. Upgrade and maintain access roads and drainage control (e.g., culverts, drainage dips, ditching, crowning, surfacing, etc.) as necessary and as directed by the BLM Authorized Officer to prevent soil erosion and accommodate safe, environmentally-sound access.
3. Prior to construction of production facilities not specifically addressed in the APD, the operator shall submit a Sundry Notice to the BLM Authorized Officer for approval.

#### **F. Roads and Pipelines**

1. Roads constructed on BLM lands shall be constructed to allow for drainage and erosion control. The operator is responsible for maintenance of all roads authorized through the lease or right-of-way. Construction and maintenance shall comply with Class III Road Standards with a 16-ft wide graveled travel surface as described in BLM Manual Section 9113, and the BLM Gold Book standards, except as modified by BLM. Maintenance may include but is not limited to grading, applying gravel, snow removal, ditch cleaning, and headcut restoration/prevention.
2. The operator may be required to provide an inspector under the direction of a registered professional engineer (PE) at all times during road construction.
3. Erosion-control structures such as water bars, diversion channels, and terraces will be constructed to divert water and reduce soil erosion on the disturbed area. Road ditch turnouts shall be equipped with energy dissipaters as needed to avoid erosion. Where roads interrupt overland sheet-flow and convert this runoff to channel flow, ditch turnouts shall be designed to reconvert channel flow to sheet flow. As necessary cut banks, road drainages, and road crossings shall be armored or otherwise engineered to prevent headcutting.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-73006
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b> PRICKLY PEAR
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> PRICKLY PEAR UF 6-8D-12-15
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2042 FNL 1923 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 08 Township: 12.0S Range: 15.0E Meridian: S		<b>9. API NUMBER:</b> 43007502680000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NINE MILE CANYON
<b>COUNTY:</b> CARBON		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>5/17/2013</b>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input checked="" type="checkbox"/> <b>APD EXTENSION</b> OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This sundry is being submitted to request an extension to the APD that expires on 5/17/2013. BBC has federal approval on this well that does not expire until 2015. Please contact Brady Riley at 303-312-8115 with questions.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** May 14, 2013

**By:**

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/3/2013	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Request for Permit Extension Validation Well Number 43007502680000**

**API:** 43007502680000

**Well Name:** PRICKLY PEAR UF 6-8D-12-15

**Location:** 2042 FNL 1923 FEL QTR SWNE SEC 08 TWP 120S RNG 150E MER S

**Company Permit Issued to:** BILL BARRETT CORP

**Date Original Permit Issued:** 5/17/2012

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Signature:** Brady Riley

**Date:** 5/3/2013

**Title:** Permit Analyst **Representing:** BILL BARRETT CORP

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-73006
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> ENERVEST OPERATING, LLC		<b>7. UNIT or CA AGREEMENT NAME:</b> PRICKLY PEAR
<b>3. ADDRESS OF OPERATOR:</b> 1001 Fannin Street, Suite 800, Houston, TX, 77002		<b>8. WELL NAME and NUMBER:</b> PRICKLY PEAR UF 6-8D-12-15
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2042 FNL 1923 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 08 Township: 12.0S Range: 15.0E Meridian: S		<b>9. API NUMBER:</b> 43007502680000
<b>PHONE NUMBER:</b> 713 659-3500 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NINE MILE CANYON
<b>COUNTY:</b> CARBON		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA


TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>7/15/2014</b>	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> ACIDIZE</div> <div style="width: 33%;"><input type="checkbox"/> ALTER CASING</div> <div style="width: 33%;"><input type="checkbox"/> CASING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TUBING</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL NAME</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL STATUS</div> <div style="width: 33%;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</div> <div style="width: 33%;"><input type="checkbox"/> CONVERT WELL TYPE</div> <div style="width: 33%;"><input type="checkbox"/> DEEPEN</div> <div style="width: 33%;"><input type="checkbox"/> FRACTURE TREAT</div> <div style="width: 33%;"><input type="checkbox"/> NEW CONSTRUCTION</div> <div style="width: 33%;"><input type="checkbox"/> OPERATOR CHANGE</div> <div style="width: 33%;"><input type="checkbox"/> PLUG AND ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> PLUG BACK</div> <div style="width: 33%;"><input type="checkbox"/> PRODUCTION START OR RESUME</div> <div style="width: 33%;"><input type="checkbox"/> RECLAMATION OF WELL SITE</div> <div style="width: 33%;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</div> <div style="width: 33%;"><input type="checkbox"/> TEMPORARY ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> TUBING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> VENT OR FLARE</div> <div style="width: 33%;"><input type="checkbox"/> WATER DISPOSAL</div> <div style="width: 33%;"><input type="checkbox"/> WATER SHUTOFF</div> <div style="width: 33%;"><input type="checkbox"/> SI TA STATUS EXTENSION</div> <div style="width: 33%;"><input checked="" type="checkbox"/> APD EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</div> <div style="width: 33%;"><input type="checkbox"/> OTHER</div> </div>
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	
OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EnerVest Operating, LLC requests a one year drilling permit extension for the referenced well. This is the second extension that has been requested.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**  
May 14, 2014

Date: \_\_\_\_\_

By: 

<b>NAME (PLEASE PRINT)</b> Don Hamilton	<b>PHONE NUMBER</b> 435 650-3866	<b>TITLE</b> Permitting Agent
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/10/2014	





**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43007502680000**

API: 43007502680000

Well Name: PRICKLY PEAR UF 6-8D-12-15

Location: 2042 FNL 1923 FEL QTR SWNE SEC 08 TWP 120S RNG 150E MER S

Company Permit Issued to: ENERVEST OPERATING, LLC

Date Original Permit Issued: 5/17/2012

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Don Hamilton

Date: 5/10/2014

Title: Permitting Agent Representing: ENERVEST OPERATING, LLC

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-73006
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> ENERVEST OPERATING, LLC		<b>7. UNIT or CA AGREEMENT NAME:</b> PRICKLY PEAR
<b>3. ADDRESS OF OPERATOR:</b> 1001 Fannin Street, Suite 800, Houston, TX, 77002		<b>8. WELL NAME and NUMBER:</b> PRICKLY PEAR UF 6-8D-12-15
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2042 FNL 1923 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 08 Township: 12.0S Range: 15.0E Meridian: S		<b>9. API NUMBER:</b> 43007502680000
<b>PHONE NUMBER:</b> 713 659-3500 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NINE MILE CANYON
<b>COUNTY:</b> CARBON		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>8/15/2015</b>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> <b>APD EXTENSION</b> OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:			
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:			
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

EnerVest Operating LLC requests a one year drilling permit extension for the referenced well. This is the second extension that has been requested.

**Approved by the**  
**February 09, 2015**  
**Oil, Gas and Mining**

**Date:** \_\_\_\_\_

**By:**

<b>NAME (PLEASE PRINT)</b> Don Hamilton	<b>PHONE NUMBER</b> 435 650-3866	<b>TITLE</b> Permitting Agent
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/5/2015	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43007502680000**

API: 43007502680000

Well Name: PRICKLY PEAR UF 6-8D-12-15

Location: 2042 FNL 1923 FEL QTR SWNE SEC 08 TWP 120S RNG 150E MER S

Company Permit Issued to: ENERVEST OPERATING, LLC

Date Original Permit Issued: 5/17/2012

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Don Hamilton

Date: 2/5/2015

Title: Permitting Agent Representing: ENERVEST OPERATING, LLC



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 19, 2016

Enervest Operating, LLC  
1001 Fannin St Ste 800  
Houston, TX 77002

Re: APDs Rescinded for Enervest Operating, LLC, Carbon County


Ladies and Gentlemen:

Enclosed find the list of APDs that is being rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded as of May 19, 2016.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

  
Diana Mason  
Environmental Scientist

cc: Well File  
Bureau of Land Management, Price

Prickly Pear UF 1A-27D-12-15	43-007-50161
Prickly Pear UF 2A-27D-12-15	43-007-50162
Prickly Pear UF 3A-27D-12-15	43-007-50163
Prickly Pear UF 9A-22D-12-15	43-007-50164
Prickly Pear UF 10A-22D-12-15	43-007-50165
Prickly Pear UF 11A-22D-12-15	43-007-50166
Prickly Pear UF 12A-22D-12-15	43-007-50167
Prickly Pear UF 14A-22D-12-15	43-007-50168
Prickly Pear UF 15A-22D-12-15	43-007-50169
Prickly Pear UF 16A-22D-12-15	43-007-50170
Prickly Pear UF 5A-8D-12-15	43-007-50260
Prickly Pear UF 6A-8D-12-15	43-007-50261
Prickly Pear UF 4-8D-12-15	43-007-50262
Prickly Pear UF 3-8D-12-15	43-007-50263
Prickly Pear UF 2-8D-12-15	43-007-50264
Prickly Pear UF 7A-8D-12-15	43-007-50265
Prickly Pear UF 7-8D-12-15	43-007-50266
Prickly Pear UF 5-8D-12-15	43-007-50267
Prickly Pear UF 6-8D-12-15	43-007-50268
Prickly Pear UF 10A-8D-12-15	43-007-50269
Prickly Pear UF 9A-8D-12-15	43-007-50270
Prickly Pear UF 8-8D-12-15	43-007-50271
Prickly Pear UF 1-8D-12-15	43-007-50272
Prickly Pear UF 8A-8D-12-15	43-007-50273
Prickly Pear UF 5-9D-12-15	43-007-50274
Prickly Pear UF 5A-9D-12-15	43-007-50275
Prickly Pear UF 4-9D-12-15	43-007-50276
Prickly Pear UF 3-9D-12-15	43-007-50277
Prickly Pear UF 6A-9D-12-15	43-007-50278
Prickly Pear UF 11-9D-12-15	43-007-50279
Prickly Pear UF 12A-9D-12-15	43-007-50280
Prickly Pear UF 6-9D-12-15	43-007-50281
Prickly Pear UF 11A-9D-12-15	43-007-50282
Prickly Pear UF 5A-15D-12-15	43-007-50284
Prickly Pear UF 6A-15D-12-15	43-007-50285
Prickly Pear UF 3-15D-12-15	43-007-50286
Prickly Pear UF 14A-10D-12-15	43-007-50292
Prickly Pear UF 11-10D-12-15	43-007-50300
Prickly Pear UF 3A-15D-12-15	43-007-50301
Prickly Pear UF 12-14D-12-15	43-007-50302
Prickly Pear UF 4-15D-12-15	43-007-50303
Prickly Pear UF 4A-15D-12-15	43-007-50304
Prickly Pear UF 14-10D-12-15	43-007-50305
Prickly Pear UF 1-9D-12-15	43-007-50345
Prickly Pear UF 2-9D-12-15	43-007-50346